8a/3

specifications for

Carey

built-up roofs

1949

THE *Carey* ROOFINDER INDEX

THIS index will enable the architect to select the proper type of built-up roofing to meet existing conditions. He can read across from known factors of deck types, bond, surface and incline, to the specification number for a roof meeting the known requirements, and the page on which the specification appears.

BONDS—All Philip Carey Manufacturing Company Built-Up Roofs applied according to specifications shown herein when desired, will be covered by Guaranty Bonds of The Fidelity & Casualty Co. of New York if applied by Carey approved roofers. No roofing bonds are issued for roofs applied on the Pacific Coast, including the states of Arizona and Utah.

DECK	YEARS	SURFACE	INCLINE	CONSTRUCTION	UNDERWRITERS' LABORATORIES INC. RATING	SPEC. NO.	PAGE NO.
WOOD or PRECAST GYPSUM	20-YEAR	Slag or Gravel	Level to 3 in. per ft. Level to 2 in. per ft.	Asphalt and Feltex Coal Tar Pitch and Careyseal	Class "A" Class "A"	1-A 1-B	3
		Smooth Asphalt	½ in. to 6 in. per ft. ½ in. to 6 in. per ft.	Asphalt Fiberock, and Carey Rockfelt Asphalt, Colcap and Carey Rockfelt	Class "C" Class "C"	9-A 9-C	9
	15-YEAR	Slag or Gravel	Level to 3 in. per ft. Level to 2 in. per ft.	Asphalt and Feltex Coal Tar Pitch and Careyseal	Class "A" Class "A"	2-A 2-B	4
		Mineral Surfaced Cap Sheet	2 in. to 12 in. per ft.	Asphalt and Feltex	Class "C"	6-AC	8
		Smooth Asphalt	½ in. to 6 in. per ft.	Asphalt Colcap and Carey Rockfelt	Class "C"	10-A	10
	10-YEAR	Mineral Surfaced Cap Sheet	2 in. to 12 in. per ft.	Asphalt and Feltex	Class "C"	5-AB	8
		Smooth Asphalt	½ in. to 6 in. per ft.	Asphalt and Feltex Asphalt, Feltex and Carey Rockfelt	Class "C" Class "C"	10-B 10-C	10
CAREY THERMO-BORD, CONCRETE, INSULATED STEEL, POURED GYPSUM, or INSULATED DECK	20-YEAR	Slag or Gravel	Level to 3 in. per ft. Level to 2 in. per ft.	Asphalt and Feltex Coal Tar Pitch and Careyseal	Class "A" Class "A"	3-A 3-B	5
		Smooth Asphalt	½ in. to 6 in. per ft.	Asphalt, Fiberock and Carey Rockfelt	Class "C"	11-A	11
	15-YEAR	Slag or Gravel	Level to 3 in. per ft. Level to 2 in. per ft.	Asphalt and Feltex Coal Tar Pitch and Careyseal	Class "A" Class "A"	4-A 4-B	7
		Smooth Asphalt	½ in. to 6 in. per ft.	Asphalt and Carey Rockfelt Asphalt, Fiberock and Carey Rockfelt	Class "C" Class "C"	11-C 12-A	11 12
	10-YEAR	Smooth Asphalt	½ in. to 6 in. per ft.	Asphalt and Feltex Asphalt, Feltex and Carey Rockfelt	Class "C" Class "C"	12-B 12-C	12
SPRAY POND ROOFS							
CONCRETE, POURED GYPSUM, PRECAST CONCRETE SLAB	10-YEAR	Double Slag or Gravel	Level to 1 in. per ft. Level to 1 in. per ft.	Asphalt and Feltex Coal Tar Pitch and Careyseal	Class "A" Class "A"	3-AS 3-BS	6
PROMENADE TILE DECK							
POURED CONCRETE	10-YEAR	Promenade Tile	Level to 1 in. per ft. Level to 1 in. per ft.	Asphalt and Feltex Coal Tar Pitch and Careyseal	Class "A" Class "A"	PR-1A PR-1B	13
COLD PROCESS BUILT-UP							
WOOD or PRECAST GYPSUM	15-YEAR	Slag or Gravel	Level to 3 in. per ft.	Asphalt Cement and Colcap	Class "A"	AC-1	14
		Smooth Coating	¾ in. to 5 in. per ft.	Asphalt Cement and Fiberock	Class "A"	AS-1	16
	10-YEAR	Smooth Coating	¾ in. to 5 in. per ft.	Asphalt Cement and Fiberock	Class "B"	BS-1	18
	5-YEAR	Smooth Coating	¾ in. to 5 in. per ft.	Asphalt Cement and Colcap	Class "C"	CS-1	20
CAREY THERMO-BORD, INSULATED STEEL or CONCRETE	15-YEAR	Slag or Gravel	Level to 3 in. per ft.	Asphalt Cement and Colcap	Class "A"	AC-2	15
		Smooth Coating	¾ in. to 5 in. per ft.	Asphalt Cement and Fiberock	Class "A"	AS-2	17
	10-YEAR	Smooth Coating	¾ in. to 5 in. per ft.	Asphalt Cement and Fiberock	Class "B"	BS-2	19
	5-YEAR	Smooth Coating	¾ in. to 5 in. per ft.	Asphalt Cement and Colcap	Class "C"	CS-2	21

FLASHING DETAILS—HOT PROCESS 22-24
FLASHING DETAILS—COLD PROCESS 24
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STORAGE OF MATERIALS 26
PREPARATION OF DECKS 26, 27
ROOF INSULATION for Wood, Concrete and Steel Decks 27

SPECIFICATIONS FOR Carey 20-YEAR ROOFS

OVER WOOD OR PRECAST GYPSUM DECKS

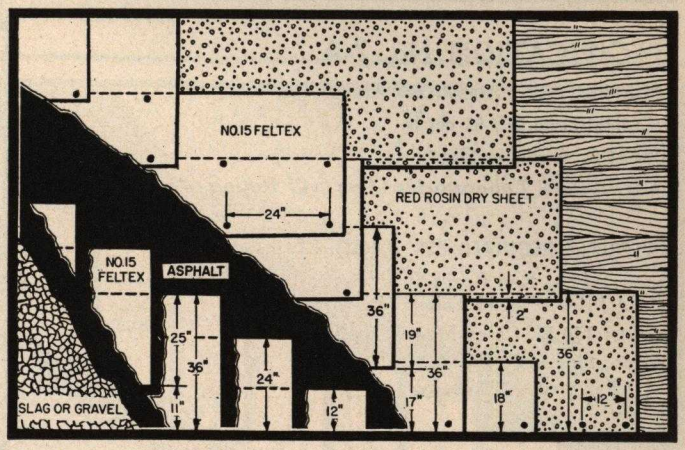
(Slag or Gravel Surface)

SPECIFICATION No. 1-A

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: Level to 3 in. per ft.
SURFACE: Slag or Gravel
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 5 Plies—No. 15 Feltex (Perforated)
Asphalt: 125 lb. Carey Manco Asphalt
Surface: Slag—300 lb.
Gravel—400 lb.



DECK SURFACES

Wood Deck—Before these Built-up Roofing Specifications are applied the deck shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Nails to be used in securing the Built-up Roofing Specification in the manner described under "Application" shall be either 1-in. roofing nails driven through flat tin caps, or 1-in. "Simplex" nails.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

APPLICATION

The felts used in the construction of the roof shall be 36 in. wide. The first two sheets shall be laid dry, lapped 19 in., leaving 17 in. exposed, and be secured to the deck by occasional nailing. To the surface thus provided a mopping of asphalt shall be applied into which, while hot, shall be embedded three sheets of felt, each sheet to overlap the previous sheet 25 in., leaving 11 in. exposed. Solid moppings of asphalt shall be applied between the plies of this three-ply construction so that at no point shall felt touch felt.

To the top surface of this construction a flood coat of hot asphalt shall be poured from a dipper and not less than 50 lb. shall be used to cover 100 sq. ft. of roof surface. Into this top flood coat of asphalt, while hot, slag or gravel shall be embedded. Asphalt shall not be heated over 450° F. See note at bottom of page.

APPLICATION OF SPECIFICATION No. 1-A, INCLINES 1½ IN. TO 3 IN. PER FT. (ASPHALT ONLY)

In applying this specification on wood or precast gypsum decks having a slope greater than 1½ in. per ft. and not exceeding 3 in. per ft., the top three plies shall be nailed at a point 6 in. from the back edge of each sheet as same is embedded in the hot asphalt.

Nails to be spaced on approximately 8-in. centers and felt to be laid at right angles to the slope of the roof.

Carey Steep Manco Asphalt shall be used throughout.

SPECIFICATION No. 1-B—COAL TAR PITCH AND TARRED RAG FELT

INCLINE: Level to 2 in. per ft.
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 5 Plies—No. 15 Careyseal Tar Rag Felt
Pitch: 150 lb. (approved type)
Surface: Slag—300 lb.
Gravel—400 lb.

DECK SURFACES

(Same as Specification No. 1-A, above)

APPLICATION

Felts used to be 36 in. wide. Application same as Specification 1-A above. (Except tarred felt and tar pitch used.)

Note: Carey Manco Asphalt should not be heated over 450° F.; this precaution will avoid damage to the asphalt. In special cases, such as in cold weather or if there is an unavoidable long distance from the kettle to the place of application of the asphalt to the roof, the asphalt may be heated to 475° F., but should not be held at this temperature longer than one hour. These temperatures should be taken with an accurate armored mercury thermometer.

SPECIFICATIONS FOR Carey 15-YEAR ROOFS

OVER WOOD OR PRECAST GYPSUM DECKS

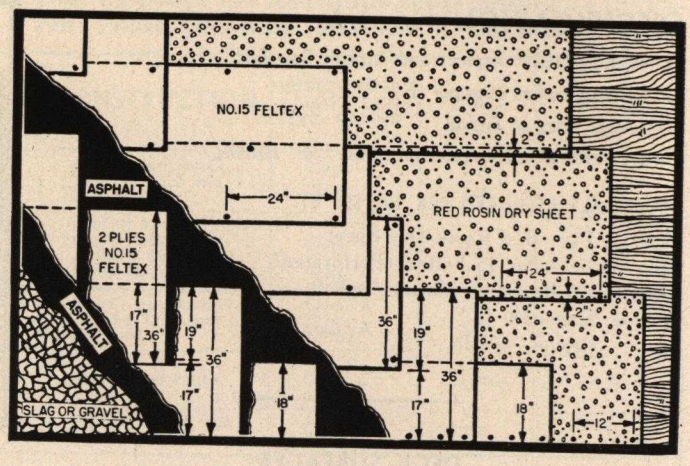
(Slag or Gravel Surface)

SPECIFICATION No. 2-A

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: Level to 3 in. per ft.
SURFACE: Gravel or Slag
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 4 Plies—No. 15 Feltex (Perforated)
Asphalt: 100 lb. Carey Manco Asphalt
Surface: Slag—300 lb.
Gravel—400 lb.



DECK SURFACES

Wood Deck—Before these Built-up Roofing Specifications are applied the decks shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Nails to be used in securing the Built-up Roofing Specifications in the manner described under "Application" shall be either 1-in. roofing nails driven through flat tin caps or 1-in. "Simplex" nails.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

APPLICATION

The Feltex used in the construction of this roof shall be 36 in. wide. The first two sheets shall be laid dry, lapped 19 in., leaving 17 in. exposed, and be secured to the deck by occasional nailing. To the surface thus provided a solid mopping of asphalt shall be applied, into which, while hot, shall be embedded two sheets of felt, each sheet to overlap the previous sheet 19 in., leaving 17 in. exposed. Solid moppings of asphalt shall be applied between the two top plies, so that at no point shall felt touch felt. To the top surface of this construction a flood coat of asphalt shall be poured from a dipper and not less than 50 lb. shall be used to cover 100 sq. ft. of roof surface. Into this top flood coat of asphalt, while hot, slag or gravel shall be embedded. Asphalt shall not be heated over 450° F. See note at bottom page 3.

APPLICATION OF SPECIFICATION No. 2-A, INCLINES 1½ IN. TO 3 IN. PER FT. (ASPHALT ONLY)

In applying this specification on wood or pre-cast gypsum decks having a slope greater than 1½ in. per ft. and not exceeding 3 in. per ft., the top two plies shall be nailed at a point 1½ in. from the back edge of each sheet as same is embedded in the hot asphalt. Nails to be spaced on approximately 8-in. centers and felt to be laid at right angles to the slope of the roof.

Carey Steep Manco Asphalt shall be used throughout.

SPECIFICATION No. 2-B—COAL TAR PITCH AND TARRED RAG FELT

INCLINE: Level to 2 in. per ft.
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 4 Plies—No. 15 Careyseal Tar Rag Felt
Pitch: 125 lb. (approved type)
Surface: Slag—300 lb.
Gravel—400 lb.

DECK SURFACES

(Same as Specification No. 2-A, above)

APPLICATION

Felts used to be 36 in. wide. Application same as Specification No. 2-A above. (Except tarred felt and tar pitch used.)

For application of Insulation, see page 27

SPECIFICATIONS FOR Carey 20-YEAR ROOFS

OVER CAREY THERMO-BORD DECK, CONCRETE, STEEL, POURED GYPSUM OR INSULATED DECKS

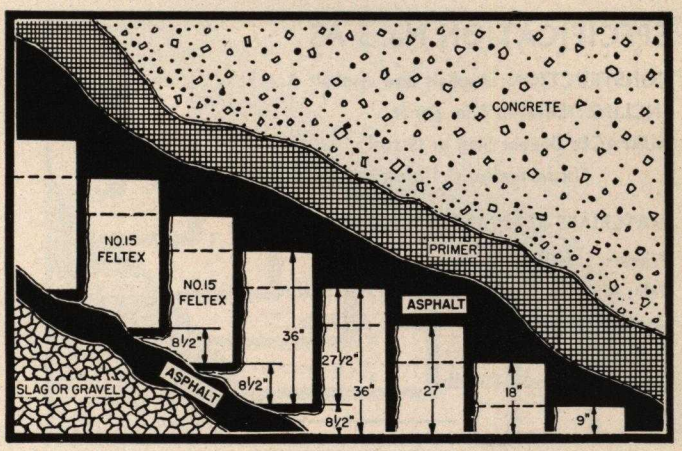
(Slag or Gravel Surface)

SPECIFICATION No. 3-A

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: Level to 3 in. per ft.
SURFACE: Slag or Gravel
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Primer: 1 gal.
Felt: 5 Plies—No. 15 Feltex (Perforated)
Asphalt: 165 lb. Carey Manco Asphalt
Surface: Slag—300 lb.
Gravel—400 lb.



DECK SURFACES

Before roofing is applied deck must be thoroughly dry and free from frost, loose sand or debris. All low spots or depressions removed to provide satisfactory drainage.

Carey Insulated Deck, concrete and all **cement** surfaced decks must be primed with asphalt primer before applying hot asphalt.

Gypsum—Gypsum decks must be thoroughly dry prior to application of roofing. Primer not required but to assure proper adhesion of the roofing to gypsum, even though spot or strip mopped, the first ply should be back-nailed with "Viking" or approved staples through tin caps.

Steel—Before roofing is applied all steel decks must first be covered with two plies of No. 15 Feltex applying same in shingle construction lapping each sheet 19 in. and mopping between felts so that at no place shall felt touch felt. Over this vapor barrier a layer of approved roof insulation at least ½ in. thick must be applied with hot asphalt.

APPLICATION

The Feltex used in the construction of this roof shall be 36 in. wide. The roof surface shall first be mopped with a heavy coating of asphalt into which, while hot, shall be applied four layers of felt mopped solid between the sheets so that at no point shall felt touch felt, each sheet to overlap the previous sheet 27½ in., leaving 8½ in. exposed. To the top surface of this construction, a flood coat of asphalt shall be poured from a dipper and not less than 50 lb. shall be used to cover 100 sq. ft. of roof surface. Into this top flood coat of asphalt, while hot, slag or gravel shall be embedded. Carey Asphalt used in construction of the roof shall not be heated over 450° F. See note at bottom page 3.

APPLICATION OF SPECIFICATION No. 3-A, INCLINES 1½ IN. TO 3 IN. PER FT. (ASPHALT ONLY)

In applying this specification on a concrete deck having a slope greater than 1½ in. per ft. and not exceeding 3 in. per ft., wooden nailing strips shall be provided spaced not greater than 3 ft. on centers, if concrete deck will not allow for nailing. Wooden nailing strips, when provided, shall be laid parallel to slope of deck.

All sheets of felt shall be laid at right angles to the slope of deck and each sheet nailed 9 in. from the back edge with 1-in. roofing nails driven through flat tin caps or 1-in. "Simplex" Nails, all nails to be spaced on 1-ft. centers.

If wooden nailing strips are provided two nails are to be used at each nailing point, one nail to be 9 in. from back edge of sheet and one to be 7 in. from back edge of sheet.

Carey Steep Manco Asphalt shall be used throughout.

SPECIFICATION No. 3-B—COAL TAR PITCH AND TARRED RAG FELT

INCLINE: Level to 2 in. per ft.
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 4 Plies—No. 15 Careyseal Tar Rag Felt
Pitch: 200 lb. (approved type)
Surface: Slag—300 lb.
Gravel—400 lb.

DECK SURFACES

(Same as Specification No. 3-A, above.)

APPLICATION

Felts used to be 36 in. wide. Application same as Specification No. 3-A above. (Except tarred felt and tar pitch used.)
Primer not required with tar pitch construction.

For application of Insulation, see page 27

SPECIFICATIONS FOR Carey 10-YEAR SPRAY POND ROOFS

OVER CONCRETE, POURED GYPSUM AND PRECAST CONCRETE SLAB

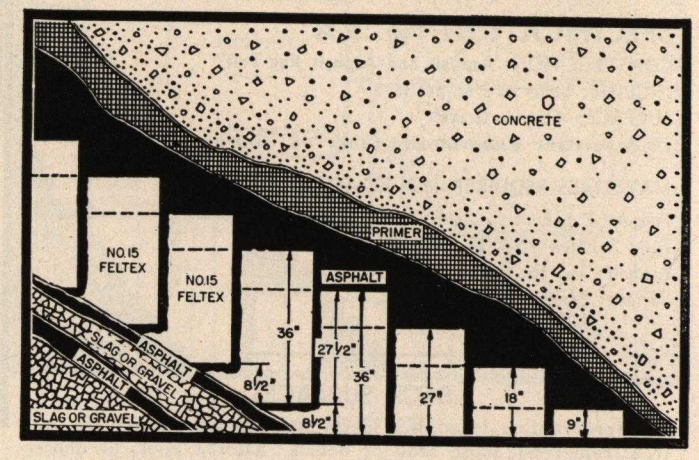
(Double Slag or Gravel Surface)

SPECIFICATION No. 3-AS

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: Level to 1 in. per ft.
SURFACE: Double Slag or Gravel
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Primer: 1 gal.
Felt: 4 Plies—No. 15 Feltex (Perforated)
Asphalt: 285 lb. Carey Manco Asphalt
Surface: Slag—600 lb.
Gravel—800 lb.



DECK SURFACES

Before roofing is applied deck must be thoroughly dry and free from frost, loose sand or debris. All low spots or depressions removed to provide drainage.

Concrete, precast concrete slab and all **cement** surfaced decks must be primed with asphalt primer before applying hot asphalt.

Gypsum—Gypsum decks must be thoroughly dry prior to application of roofing. Primer not required but to assure proper adhesion of the roofing to gypsum, even though spot or strip mopped, the first ply should be back-nailed with "Viking" or approved staples through tin caps.

APPLICATION

The felt used in the construction of this roof shall be 36 in. wide. The roof surface shall first be mopped with heavy coating of asphalt into which, while hot, shall be applied four layers of asphalt felt mopped solid between the sheets so that at no point shall felt touch felt; each sheet to overlap the previous sheet 27½ in. leaving 8½ in. exposed. To the top surface of this construction, a flood coat of asphalt shall be poured from a dipper and not less than 80 lb. of asphalt shall be used to cover 100 sq. ft. of roof area. Into this flood coat of asphalt, while hot, 300 lb. of slag or 400 lb. of gravel shall be embedded.

All loose slag or gravel shall be swept from the surface and a second flood coat of asphalt shall be poured from a dipper and not less than 90 lb. of asphalt shall be used to cover 100 sq. ft. of roof area. Into this flood coat of asphalt, while hot, shall be embedded a second layer of slag or gravel using 300 lb. of slag or 400 lb. of gravel. The entire surface shall then be broomed free of all loose slag or gravel.

Asphalt should not be heated over 450° F. See note at bottom page 3.

SPECIFICATION No. 3-BS

CONSTRUCTION: COAL TAR PITCH AND TARRED RAG FELT
INCLINE: Level to 1 in. per ft.
SURFACE: Double Slag or Gravel
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 4 Plies—No. 15 Careyseal Tar Rag Felt
Tar: 300 lb. (approved type)
Slag: 600 lb.
Gravel: 800 lb.

DECK SURFACES

(Same as Specification No. 3-AS above.)

APPLICATION

Felt to be 36 in. wide. Application the same as Specification 3-AS above (except tarred felt and tar pitch used).
Primer not required with tar pitch construction.

For application of Insulation, see page 27

SPECIFICATIONS FOR Carey 15-YEAR ROOFS

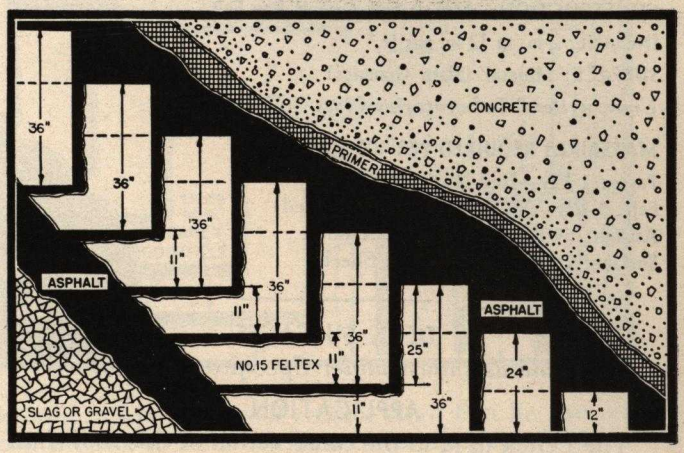
OVER CAREY THERMO-BORD DECK, CONCRETE, STEEL, POURED GYPSUM OR INSULATED DECKS

(Slag or Gravel Surface)

SPECIFICATION No. 4-A

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: Level to 3 in. per ft.
SURFACE: Slag or Gravel
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.
Primer: 1 gal.
Felt: 3 Plies—No. 15 Feltex (Perforated)
Asphalt: 140 lb. Carey Manco Asphalt
Surface: Slag—300 lb.
Gravel—400 lb.



DECK SURFACES

Before roofing is applied decks must be thoroughly dry and free from frost, loose sand or debris. All low spots or depressions removed to provide satisfactory drainage.

Carey Insulated Deck, concrete and all **cement** surfaced decks must be primed with asphalt primer before applying hot asphalt.

Gypsum—Gypsum decks must be thoroughly dry prior to application of roofing. Primer not required but to assure proper adhesion of the roofing to gypsum, even though spot or strip mopped, the first ply should be back-nailed with "Viking" approved staples through tin caps.

Steel—Before roofing is applied all steel decks must first be covered with two plies of No. 15 Feltex applying same in shingle construction lapping each sheet 19 in. and mopping between felts so that at no place shall felt touch felt. Over this vapor barrier a layer of approved roof insulation at least ½ in. thick must be applied with hot asphalt.

APPLICATION

The Feltex used in the construction of this roof shall be 36 in. wide. The roof surface shall first be mopped with a heavy coat of asphalt, into which, while hot, shall be applied three sheets of felt mopped solid between the sheets so that at no point shall felt touch felt, each sheet to overlap the previous sheet 25 in., leaving 11 in. exposed. To the top surface of this construction a flood coat of asphalt shall be poured from a dipper and not less than 50 lb. shall be used to cover 100 sq. ft. of roof surface. Into this top flood coat of asphalt, while hot, slag or gravel shall be embedded. Asphalt used in the construction of the roof shall not be heated over 450° F. See note at bottom page 3.

APPLICATION OF SPECIFICATION No. 4-A, INCLINES 1½ IN. TO 3 IN. PER FT. (ASPHALT ONLY)

In applying this specification on a deck having a slope greater than 1½ in. per ft. and not exceeding 3 in. per ft., wooden nailing strips shall be provided spaced not greater than 3 ft. on centers, if deck will not allow for nailing. Wooden nailing strips, when provided, shall be laid parallel to slope of deck.

All sheets of felt shall be laid at right angles to the slope of deck and each sheet nailed 9 in. from the back edge with 1-in. roofing nails driven through flat tin caps or 1-in. "Simplex" Nails, all nails to be spaced on 1-ft. centers.

If wooden nailing strips are provided two nails are to be used at each nailing point, one nail to be 9 in. from back edge of sheet and one to be 7 in. from back edge of sheet.

Use soft-nosed nails when applied over insulation.

Carey Steep Manco Asphalt shall be used throughout.

SPECIFICATION No. 4-B—COAL TAR PITCH AND TARRED RAG FELT

INCLINE: Level to 2 in. per ft.
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.
Felt: 3 Plies—No. 15 Careyseal Tar Rag Felt
Pitch: 175 lb. (approved type)
Surface: Slag—300 lb.
Gravel—400 lb.

DECK SURFACES

(Same as Specification No. 4-A, above.)

APPLICATION

Felts used to be 36 in. wide. Application same as Specification 4-A above. (Except tarred felt and tar pitch used.)

Primer not required with tar pitch construction.

For application of Insulation, see page 27

SPECIFICATIONS FOR Carey 10-YEAR and 15-YEAR ROOFS

OVER WOOD OR PRECAST GYPSUM DECKS

Mineral (Slate Granules) Surface

SPECIFICATION No. 5-AB (10-Year Roof)

CONSTRUCTION: Asphalt and Asphalt Rag Felt

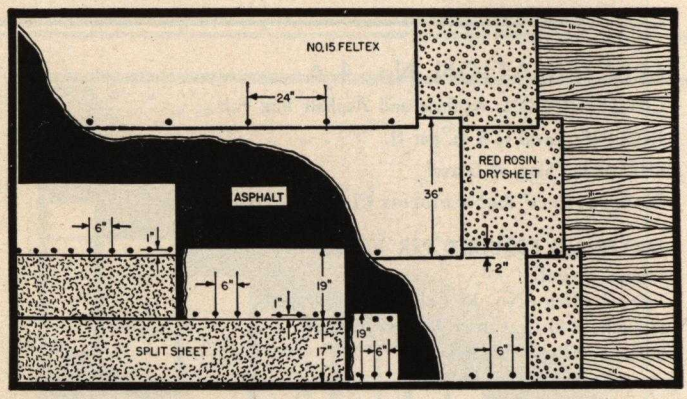
INCLINE: 2 in. to 12 in. per ft.*

SURFACE: Mineral (Slate Granules)

Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 1 Ply—No. 15 Feltex (Perforated)
Asphalt: 50 lb. Carey Manco Asphalt
Surface: 2 Plies Lastile Split Sheet



DECK SURFACES

(Same as shown under Specification 2-A.)

APPLICATION

The Feltex used in the construction of this roof shall be 36 in. wide. The first sheet shall be laid dry, lapped 2 in.; and be secured to the deck by occasional nailing. To the surface thus provided, a solid mopping of asphalt should be applied, into which while hot, should be embedded a starter sheet consisting of the 19-in. portion which has been cut from the Lastile Split Sheet. This is then solid mopped and the first full 36-in. width of Lastile Split Sheet embedded. After the first sheet of Split Sheet Roofing has been installed, secure same in place by means of one row of nails (1-in. roofing nails driven through tin caps or 1-in. "Simplex" nails) 1 in. above top edge of mineral surface, spacing nails 6 in. on center.

Over the 19-in. selvage lap and to a point 17 in. beyond the back edge of this sheet, apply a mopping of asphalt into which while hot shall be embedded the second sheet of Lastile Split Sheet Roofing, keeping the lower edge of same lined up with back edge of mineral surfacing. Nail the selvage portion of sheet as detailed above.

Carey Steep Manco Asphalt shall be used throughout. Carey Asphalt should not be heated over 450° F. See note at bottom page 3.

*For pitches over 6 in. per ft. use Carey Special Steep (215°-225° F. Asphalt).

SPECIFICATION No. 6-AC (15-Year Roof)

CONSTRUCTION: Asphalt and Asphalt Rag Felt

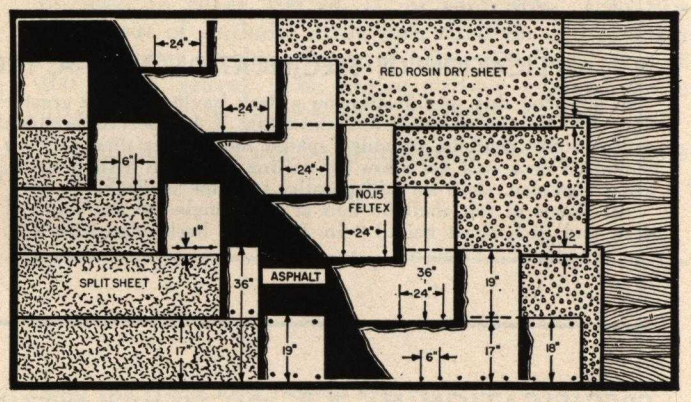
INCLINE: 2 in. to 12 in. per ft.*

SURFACE: Mineral (Slate Granules)

Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 2 Plies—No. 15 Feltex (Perforated)
Asphalt: 75 lb. Carey Manco Asphalt
Surface: 2 Plies Lastile Split Sheet



DECK SURFACES

(Same as shown under Specification 2-A.)

APPLICATION

The Feltex used in the construction of this roof shall be 36 in. wide. The first two sheets shall be solid mopped, lapped 19 in., leaving 17 in. exposed, and be secured to the deck by occasional nailing along back edge of each sheet. To the surface thus provided, a solid mopping of asphalt should be applied, into which while hot, should be embedded a starter sheet consisting of the 19-in. portion which has been cut from the Lastile Split Sheet. This is then solid mopped and the first full 36-in. width of Lastile Split Sheet embedded. After the first sheet of Split Sheet Roofing has been installed, secure same in place by means of one row of nails (1-in. roofing nails driven through tin caps or 1-in. "Simplex" nails) 1 in. above top edge of mineral surface, spacing nails 6 in. on center.

Over the 19-in. selvage lap and to a point 17 in. beyond the back edge of this sheet, apply a mopping of asphalt into which while hot shall be embedded the second sheet of Lastile Split Sheet Roofing, keeping the lower edge of same lined up with back edge of mineral surfacing. Nail the selvage portion of sheet as detailed above. Carey Steep Manco Asphalt shall be used throughout. Asphalt should not be heated over 450° F. See note at bottom page 3.

*For pitches over 6 in. per ft. use Carey Special Steep (215°-225° F.) Asphalt.

SPECIFICATIONS FOR Carey 20-YEAR ROOFS

OVER WOOD OR PRECAST GYPSUM DECKS

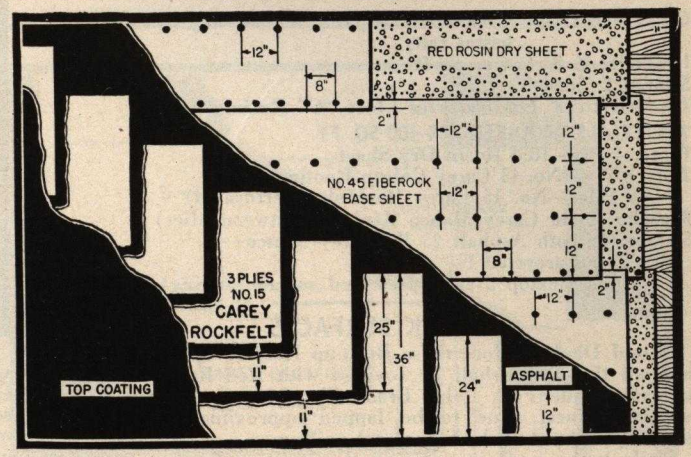
(Smooth Surface)

SPECIFICATION No. 9-A

CONSTRUCTION: Asphalt and Asphalt Asbestos Felt
INCLINE: ½ in. to 6 in. per ft.
SURFACE: Smooth
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 1 Ply—No. 45 Carey Fiberock
3 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 75 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)



DECK SURFACES

Wood Deck—Before these Built-up Roofing Specifications are applied the decks shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Nails to be used in securing the Built-up Roofing Specifications in the manner described under "Application" shall be either 1 in. roofing nails driven through flat tin caps or 1 in. "Simplex" nails.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

APPLICATION

All felts used in the construction of this roof shall be 36 in. wide. The roof surface shall first be covered with the No. 45 Fiberock Base Sheet, lapping all sheets not less than 2 in. and secured to the deck with 1-in. nails driven through flat tin caps or 1-in. "Simplex" nails, spacing nails along the laps approximately every 8 in. In addition two rows of nails shall be run parallel to the laps through the center of the sheets, nailing approximately 12 in. apart and 12 in. from either edge. To the surface thus provided a solid mopping of Carey Manco Asphalt shall be applied into which, while hot, shall be embedded three sheets of No. 15 Perforated Carey Rockfelt, each sheet to overlap previous sheet 25 in., leaving 11 in. exposed. Solid moppings of asphalt shall be applied between the sheets so that at no point shall felt touch felt. The roof surface shall be finished with a uniform coating of hot Carey Manco Asphalt or a uniform coating of Careyclad or Flextop Coating. Asphalt used in the construction of this roof shall not be heated over 450° F. See note at bottom page 3.

SPECIFICATION No. 9-C—COMBINATION ASPHALT, ASPHALT RAG FELT AND ASBESTOS FELTS

INCLINE: ½ in. to 6 in. per ft.
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 1 Ply—No. 43 Carey Colcap Roofing
3 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 75 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)

DECK SURFACES

(Same as Specification No. 9-A, above.)

APPLICATION

Felts used to be 36 in. wide. Application same as Specification No. 9-A, except that No. 43 Carey Colcap Roofing shall be used in place of No. 45 asbestos base sheet.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specifications on decks having slope exceeding 1½ in. per ft., all sheets shall be run at right angles to slope of deck and nailed at a point 2 in. from the back edge of each sheet, spacing nails on 8-in. centers.

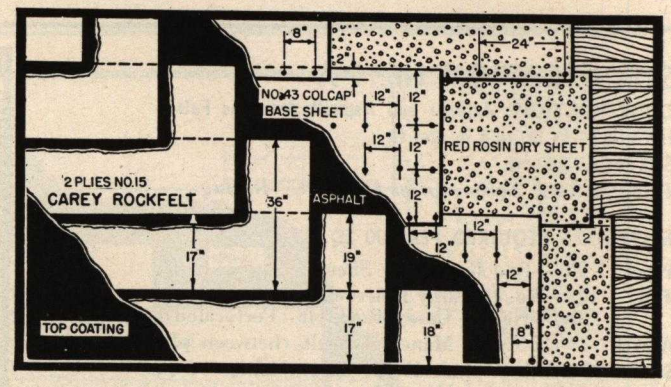
Carey Steep Manco Asphalt shall be used throughout.

SPECIFICATIONS FOR Carey 10- and 15-YEAR ROOFS

OVER WOOD OR PRECAST GYPSUM DECKS (Smooth Surface)

SPECIFICATION No. 10-A (15-Year Roof)

CONSTRUCTION: Combination Asphalt, Asphalt Rag Felt and Asbestos Felts
INCLINE: ½ in. to 6 in. per ft.
SURFACE: Smooth
Underwriters' Laboratories Class "C" Rating
MATERIALS REQUIRED PER 100 SQ. FT.
Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 1 Ply—No. 43 Carey Colcap Roofing
2 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 50 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)



DECK SURFACES

Wood Deck—Before these Built-up Roofing Specifications are applied the decks shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Nails to be used in securing the Built-up Roofing Specifications in the manner described under "Application" shall be either 1 in. roofing nails driven through flat tin caps or 1 in. "Simplex" nails.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

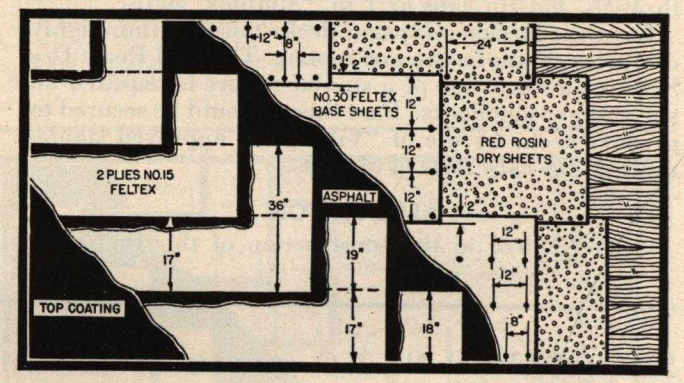
APPLICATION

All felts used in the construction of this roof shall be 36 in. wide. The roof surface shall first be covered with the No. 43 Carey Colcap Roofing lapping all sheets not less than 2 in. and secured to the deck with 1-in. nails driven through flat tin caps or 1-in. "Simplex" nails, spacing nails along the laps approximately every 8 in. In addition two rows of nails shall be run parallel to the laps through the center of the sheets, nailing approximately 12 in. apart and 12 in. from either edge. To the surface thus provided a solid mopping of Carey Asphalt shall be applied, into which, while hot, shall be embedded two sheets of Carey No. 15 Perforated Carey Rockfelt, each sheet to overlap the previous sheet 19 in., leaving 17 in. exposed. Solid moppings of asphalt shall be applied between the sheets so that at no point shall felt touch felt. The roof surface shall be finished with a uniform coating of hot Carey Manco Asphalt, Careyclad or Flextop Coating. Asphalt used in the construction of this roof shall not be heated over 450° F. See note at bottom page 3.

SPECIFICATION No. 10-B (10-Year Roof)

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: ½ in. to 6 in. per ft.
SURFACE: Smooth
Underwriters' Laboratories Class "C" Rating
MATERIALS REQUIRED PER 100 SQ. FT.
Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 1 Ply—No. 30 Feltex, 2 Plies—No. 15 Feltex (Perforated)
Asphalt: 50 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or †Careyclad 1½ gal.
or †Flextop 2 gal. (preferred surface coating)

† When a cold coating is used on this specification, bond will only be issued with the understanding that the roof must be recoated with the same material at owner's expense every three years during the bond term.



DECK SURFACES

(Same as Specification 10-A, above.)

APPLICATION

All felts used in the construction of this roof shall be 36 in. wide. The roof surface shall first be covered with the No. 30 Feltex, lapping all sheets not less than 2 in. and secured to the deck with 1-in. nails driven through flat tin caps or 1-in. "Simplex" nails, spacing nails along the laps approximately every 8 in. In addition two rows of nails shall be run parallel to the laps through the center of the sheets, nailing approximately 12 in. apart and 12 in. from either edge. To the surface thus provided a solid mopping of Carey Asphalt shall be applied, into which, while hot, shall be embedded two sheets of Carey No. 15 Feltex, each sheet to overlap the previous sheet 19 in., leaving 17 in. exposed. Solid moppings of asphalt shall be applied between the sheets so that at no point shall felt touch felt. The roof surface shall be finished with a uniform coating of hot Carey Manco Asphalt, Careyclad or Flextop coating. Asphalt used shall not be heated over 450° F. See note at bottom page 3.

SPECIFICATION No. 10-C—COMBINATION ASPHALT, ASPHALT RAG FELT AND ASBESTOS FELTS (10-Year Roof)

INCLINE: ½ in. to 6 in. per ft.
Underwriters' Laboratories Class "C" Rating
MATERIALS REQUIRED PER 100 SQ. FT.
Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 1 Ply—No. 30 Feltex
2 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 50 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)

DECK SURFACES

(Same as Specification No. 10-A, above)

APPLICATION

All felts to be 36 in. wide. Application same as Specification No. 10-A.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT. (See note on page 9)

SPECIFICATIONS FOR Carey 15- and 20-YEAR ROOFS

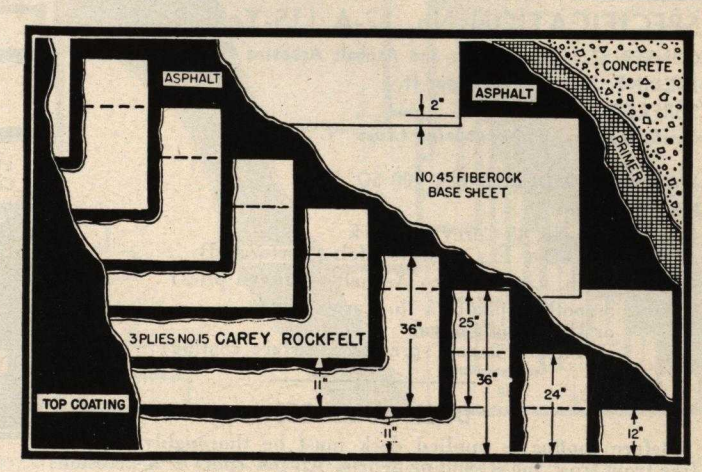
OVER CAREY THERMO-BORD DECK, CONCRETE, STEEL, POURED GYPSUM OR INSULATED DECKS (Smooth Surface)

SPECIFICATION No. 11-A (20-Year Roof)

CONSTRUCTION: Asphalt and Asphalt Asbestos Felt
INCLINE: ½ in. to 6 in. per ft.
SURFACE: Smooth
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Primer: 1 gal.
Felt: 1 Ply—No. 45 Carey Fiberock
3 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 115 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)



DECK SURFACES

Before roofing is applied deck must be thoroughly dry and free from frost, loose sand or debris. All low spots or depressions removed to provide satisfactory drainage.

Carey Insulated Deck, concrete and all **cement** surfaced decks must be primed with asphalt primer before applying hot asphalt.

Gypsum—Gypsum decks must be thoroughly dry prior to application of roofing. Primer not required but to assure proper adhesion of the roofing to gypsum, even though spot or strip mopped, the first ply should be back-nailed with "Viking" or approved staples through tin caps.

Steel—Before roofing is applied all steel decks must first be covered with two plies of No. 15 Feltex applying same in shingle construction lapping each sheet 19 in. and mopping between felts so that at no place shall felt touch felt. Over this vapor barrier a layer of approved roof insulation at least ½ in. thick must be applied with hot asphalt.

APPLICATION

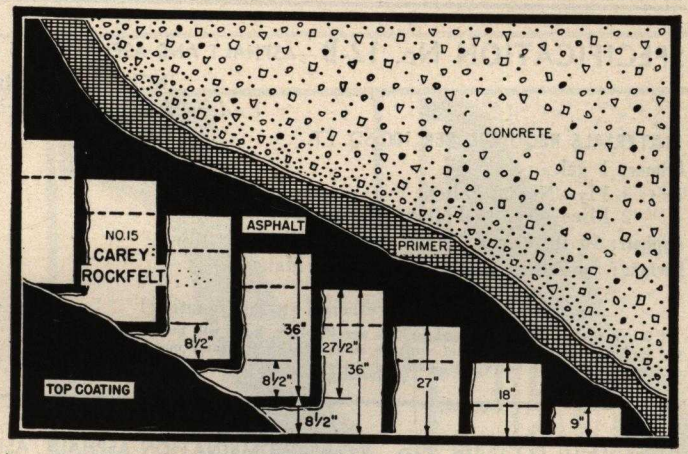
All felts used in the construction of this roof shall be 36 in. wide. The roof surface shall first be mopped with a heavy coat of asphalt into which, while hot, shall be laid the Carey No. 45 Fiberock Base Sheet, lapping all sheets not less than 2 in. To the surface thus provided a solid mopping of Carey Asphalt shall be applied into which, while hot, shall be embedded three sheets of No. 15 Perforated Carey Rockfelt, each sheet to overlap the previous sheet 25 in., leaving 11 in. exposed. Solid moppings of asphalt shall be applied between the sheets so that at no point shall felt touch felt. The roof surface shall be finished with a uniform coating of Carey Manco Asphalt or Careyclad or Flextop Coating. Asphalt used in the construction of this roof shall not be heated over 450° F. See note at bottom page 3.

SPECIFICATION No. 11-C (15-Year Roof)

CONSTRUCTION: Asphalt and Asphalt Asbestos Felt
INCLINE: ½ in. to 6 in. per ft.
SURFACE: Smooth
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Primer: 1 gal.
Felt: 4 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 115 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)



DECK SURFACES

(Same as Specification No. 11-A, above.)

APPLICATION

All felts used in the construction of this roof shall be 36 in. wide. The roof surface shall first be mopped with a heavy coat of asphalt into which, while hot, shall be embedded four sheets of felt, each sheet to overlap the previous sheet 27½ in., leaving 8½ in. exposed. Solid moppings of asphalt shall be applied between the sheets so that at no point shall felt touch felt. The roof surface shall be finished with a uniform coating of Carey Manco Asphalt or Careyclad or Flextop Coating. Asphalt used in constructing the roof shall not be heated over 450° F. See note bottom page 3.

Note: STEEP DECK APPLICATION

When incline exceeds 1½ in. per ft. and not exceeding 6 in. per ft. if deck will not allow for nailing, wooden nailing strips laid parallel to slope shall be provided spaced not greater than 3 ft. on centers.

If deck permits nailing all felts shall be laid at right angles to pitch of roof and base felt nailed at laps on 6-in. center and stagger nailed through middle of sheet. Cap sheets shall be nailed on 12-in. centers along back edge of each sheet as applied.

When applied over insulation, nails of sufficient length shall be used to properly anchor sheets. Use "Simplex" nails or roofing nails driven through tin caps. Use soft nosed nails when decks will not allow for nailing so that points of nails will turn and clinch on under side of insulation.

Carey Steep Manco Asphalt shall be used throughout.

For application of Insulation, see page 27

SPECIFICATIONS FOR Carey 10- and 15-YEAR ROOFS

OVER CAREY THERMO-BORD DECK, CONCRETE, STEEL, POURED GYPSUM OR INSULATED DECKS (Smooth Surface)

SPECIFICATION No. 12-A (15-Year Roof)

CONSTRUCTION: Asphalt and Asphalt Asbestos Felt
INCLINE: ½ in. to 6 in. per ft.
SURFACE: Smooth
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.
Primer: 1 gal.
Felt: 1 Ply—No. 45 Carey Fiberock
2 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 90 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco.
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)

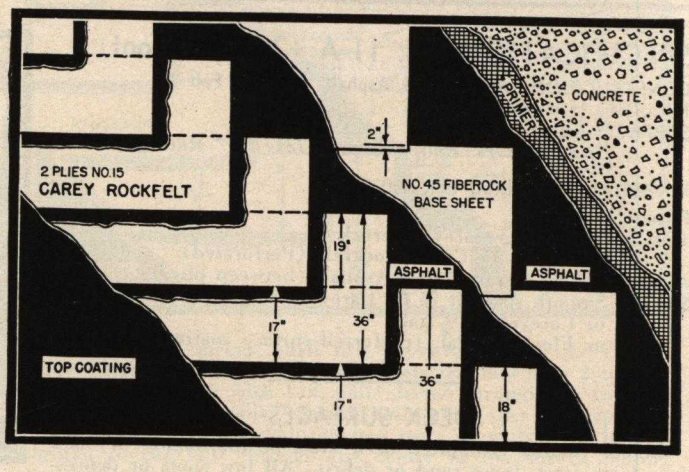
DECK SURFACES

Before roofing is applied deck must be thoroughly dry and free from frost, loose sand or debris. All low spots or depressions removed to provide satisfactory drainage.

Carey Insulated Deck, concrete and all **cement** surfaced decks must be primed with asphalt primer before applying hot asphalt.

Gypsum—Gypsum decks must be thoroughly dry prior to application of roofing. Primer not required but to assure proper adhesion of the roofing to gypsum, even though spot or strip mopped, the first ply should be back-nailed with "Viking" or approved staples through tin caps.

Steel—Before roofing is applied all steel decks must first be covered with two plies of No. 15 Feltex applying same in shingle construction lapping each sheet 19 in. and mopping between felts so that at no place shall felt touch felt. Over this vapor barrier a layer of approved roof insulation at least ½ in. thick must be applied with hot asphalt.



APPLICATION

All felts used in the construction of this roof shall be 36 in. wide. The roof surface shall first be mopped with a heavy coat of asphalt into which, while hot, shall be laid the Carey No. 45 Fiberock Base Sheet, lapping all sheets not less than 2 in. To the surface thus provided a solid mopping of Carey Manco Asphalt shall be applied into which, while hot, shall be embedded two sheets of No. 15 Perforated Carey Rockfelt, each sheet to overlap the previous sheet 19 in., leaving 17 in. exposed. Solid moppings of asphalt shall be applied between the sheets so that at no point shall felt touch felt. The roof surface shall be finished with a uniform coating of Carey Manco Asphalt, Careyclad or Flextop Coating. Asphalt used in the construction of this roof shall not be heated over 450° F. See note at bottom page 3.

SPECIFICATION No. 12-B—ASPHALT AND ASPHALT RAG FELT (10-Year Roof)

INCLINE: ½ in. to 6 in. per ft.
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.
Primer: 1 gal.
Felt: 1 Ply—No. 30 Feltex
2 Plies—No. 15 Feltex (Perforated)
Asphalt: 90 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or †Careyclad 1½ gal.
or †Flextop 2 gal. (preferred surface coating)

† When a cold coating is used on this specification, bond will only be issued with the understanding that the roof must be recoated with the same material at owner's expense every three years during the bond term.

DECK SURFACES

(Same as Specification No. 12-A, above)

APPLICATION

All felts to be 36 in. wide. Application same as Specification No. 12-A, except No. 30 Feltex Base used in place of No. 45 Asbestos and No. 15 Feltex used in place of No. 15 Perforated Carey Rockfelt.

SPECIFICATION No. 12-C—COMBINATION ASPHALT, ASPHALT RAG AND ASBESTOS FELTS (10-Year Roof)

INCLINE: ½ in. to 6 in. per ft.
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.
Primer: 1 gal.
Felt: 1 Ply—No. 30 Feltex
2 Plies—No. 15 Carey Rockfelt (Perforated)
Asphalt: 90 lb. Carey Manco Asphalt (between plies)
Surface: Smooth Asphalt 25 lb. Carey Manco
or Careyclad 1½ gal.
or Flextop 2 gal. (preferred surface coating)

DECK SURFACES

(Same as Specification No. 12-A, above)

APPLICATION

All felts to be 36 in. wide. Application same as for Specification No. 12-A, except No. 30 Feltex base used in place of No. 45 Asbestos.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT. (See note on page 11)

For application of Insulation, see page 27

SPECIFICATIONS FOR Carey 10-YEAR PROMENADE TILE DECK

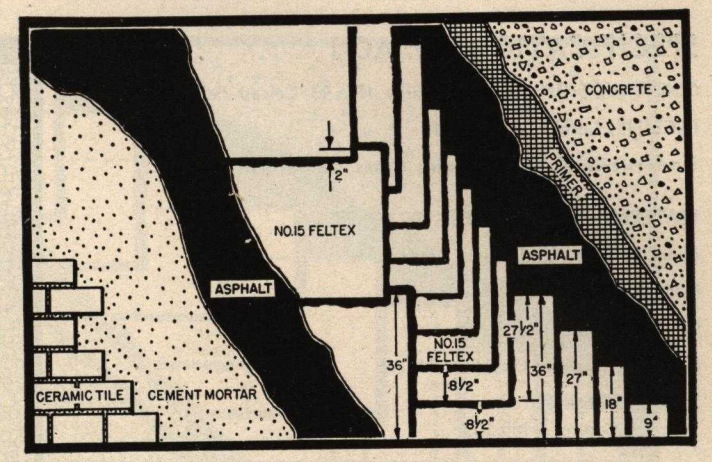
OVER POURED CONCRETE

SPECIFICATION No. PR-1A (10-Year Bond*)

CONSTRUCTION: Asphalt and Asphalt Rag Felt
INCLINE: Level to 1 in. per ft.
SURFACE: Ceramic Promenade Tile
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Primer: 1 gal.
Felt: 5 Plies—No. 15 Feltex (Perforated)
Asphalt: 175 lb. Carey Manco Asphalt



DECK SURFACE

Concrete—Before roofing is applied concrete deck must be thoroughly dry and free from frost, loose sand or debris. All low spots or depressions removed to provide satisfactory drainage.

Deck must be primed with asphalt primer before applying hot asphalt.

APPLICATION

The felt used in the construction of this roof shall be 36 in. wide. The roof surface shall be mopped with a heavy coating of Carey Manco asphalt into which, while hot, shall be applied four layers of No. 15 Feltex mopped solid between the sheets so that at no point shall felt touch felt; each sheet to overlap the previous sheet 27½ in., leaving 8½ in. exposed. Mop the surface of this construction with Carey Manco asphalt into which embed one layer of No. 15 Feltex, lapping each sheet 2 in. over the preceding sheet. Over this surface before laying the cement mortar in which the tile is to be set, mop a heavy coat of asphalt of not less than 35 lb. per 100 sq. ft. Asphalt should not be heated over 450° F. See note at bottom page 3.

The clay tile shall be set in Portland Cement Mortar and joints grouted with Portland Cement Grout. The mortar bed shall be not less than ¾ in. thick.

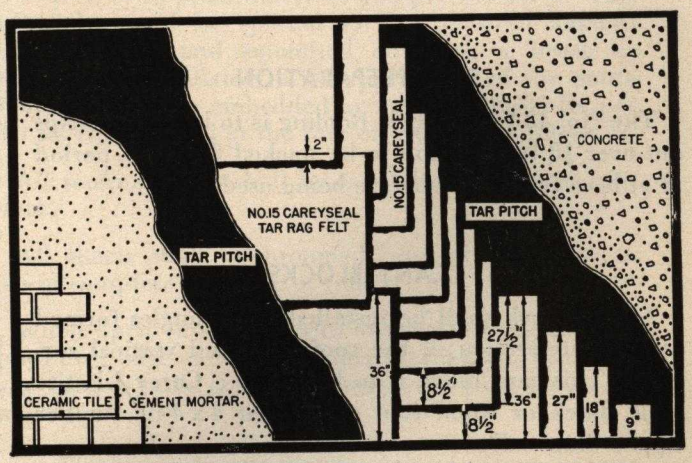
Expansion Joints through Ceramic Tile and mortar to be filled with Careylastic.

SPECIFICATION No. PR-1B (10-Year Bond*)

CONSTRUCTION: Coal Tar Pitch and Tarred Rag Felt
INCLINE: Level to 1 in. per ft.
SURFACE: Ceramic Promenade Tile
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 5 Plies—No. 15 Careyseal Tar Rag Felt
Roofing Tar: 125 lb. (approved type)
Steep Tar: 75 lb. (approved type)



DECK SURFACES

(Same as Specification No. PR-1A above except primer not required)

APPLICATION

Felt to be 36 in. wide. Application same as Specification PR-1A above (except tarred felt and tar pitch used).

Steep tar to be used between the 4th and the 5th ply, using 25 lb. per 100 sq. ft. Over 5th ply before laying the cement mortar in which the Ceramic Tile is set, apply a heavy coat of steep tar of about 50 lb. per 100 sq. ft.

Expansion Joints through Ceramic Tile and mortar to be filled with Careylastic.

*The Bond only applies to the Roofing Materials used and if leaks occur the tile must be removed and reset at owner's expense for any inspections or repairs.

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 15-YEAR ROOF

OVER WOOD AND PRECAST DECKS

(Slag or Gravel Surfaced)

SPECIFICATION No. AC-1

CONSTRUCTION: 3 Plies—Carey No. 43 Colcap Felt

INCLINE: Level to 3 in. per ft.

Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

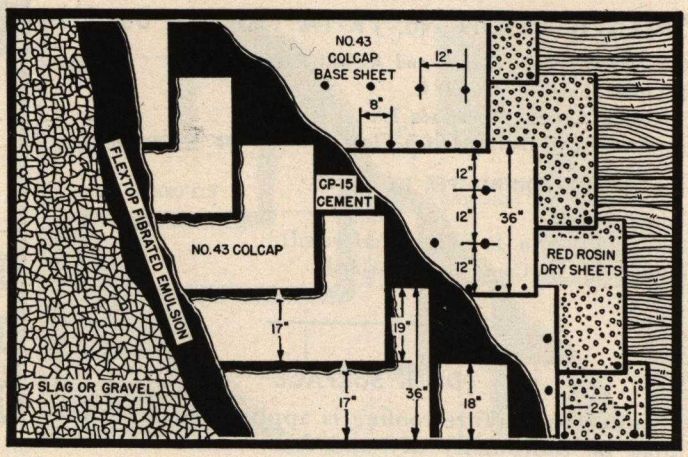
Paper: 1 Ply—Red Rosin Dry Sheet

Felt: 3 Plies—No. 43 Colcap Felt

CP-15 Cement: 4 gal.

Flextop (Fibrated) Emulsion: 10 gal.

Surface: Slag—300 lb.
Gravel—400 lb.



DECK SURFACES

Wood Deck—Before this Built-Up Roofing Specification is applied, the deck shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

FELT PREPARATION

The No. 43 Colcap Felt Roofing is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces. This cant block is to be either a Carey Elastite Cant Block or wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the deck apply a layer of Carey Colcap Felt, lapping the sheets 2 in. and nailing 8 in. on centers on laps and staggering 2 rows of nails through the center of the sheet, the first row 12 in. from the lower edge of the sheet, and the second row 12 in. from the upper edge of the sheet spacing the nails on 12-in. centers. On wood decks use "Simplex" nails or roofing nails driven through tin caps and on gypsum decks use "Viking" or approved staples through tin caps. Over the surface of the Carey Colcap Felt and starting at the lower point of the roof apply Carey CP-15 Cement to a strip 18 in. in width from the lower point of the roof. Into same when tacky embed an 18-in. width of Carey Colcap Felt. Next coat the 18-in. width of Carey Colcap Felt with CP-15 Cement and carry same to a point 18 in. above the upper edge of the 18-in. width sheet and when this cement becomes tacky, embed in same a sheet of 36-in. wide Carey Colcap Felt. To the surface of the 36-in. wide sheet, apply cement from a point 19 in. below the upper edge of the sheet to a point 17 in. above the upper edge of the sheet and when this cement becomes tacky embed in same the next full width sheet of Carey Colcap Felt. Continue this method of application until the roof has been completed.

Over the surface of this construction apply Carey Flextop Fibrated Emulsion at the rate of 80 lb. per 100 sq. ft. or approximately 10 gal. per 100 sq. ft. This material should be spotted to the required amount over the area and smoothed out with a brush or squeegee. Immediately after application of the emulsion, slag shall be embedded at the rate of 300 lb. per 100 sq. ft. or gravel at the rate of 400 lb. per 100 sq. ft.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on decks having a slope exceeding 1½ in. per ft., but not in excess of 3 in. per ft., all sheets must be run at right angles to slope of deck and nailed 2 in. from back edge of each sheet, spacing nails on 8-in. centers.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 15-YEAR ROOF

OVER CONCRETE, INSULATED STEEL AND CAREY THERMO-BORD DECKS

(Slag or Gravel Surfaced)

SPECIFICATION No. AC-2

CONSTRUCTION: 3 Plies—Carey No. 43 Colcap Felt

INCLINE: Level to 3 in. per ft.

Underwriters' Laboratories Class "A" Rating

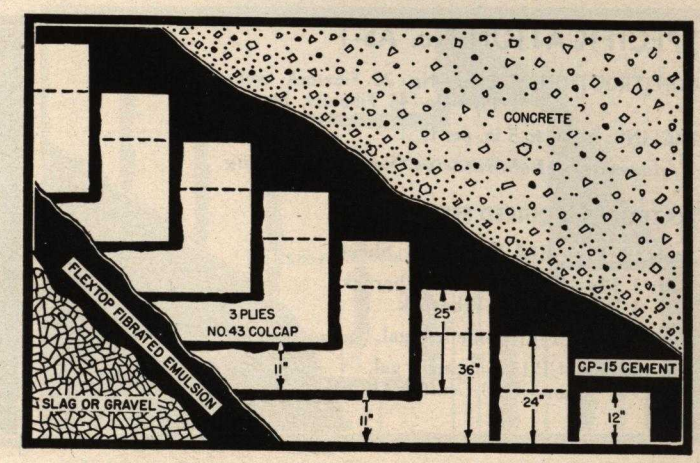
MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 3 Plies—Carey No. 43 Colcap Felt

CP-15 Cement: 6 gal.

Flextop (Fibrated) Emulsion: 10 gal.

Surface: Slag—300 lb.
Gravel—400 lb.



DECK SURFACES

Before coating is applied to the deck, same must be dry, smooth, clean and free from debris of all sorts. Roof must be applied during dry, favorable weather.

Metal decks must be covered with 2 plies of No. 15 Feltex and at least ½ in. of approved insulation.

FELT PREPARATION

The No. 43 Colcap Felt Roofing is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces. This cant block to be either a Carey Elastite Cant Block or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the surface of the roof, and starting at the low point, apply a coating of CP-15 Cement at the rate of approximately 2 gal. per 100 sq. ft. for a width of 12 in. and, when cement becomes tacky, embed in same a 12-in. width of Colcap Felt. Over the surface of the 12-in. strip of felt, and to a point 12 in. above the upper edge, coat with CP-15 Cement and, when same becomes tacky, embed a 24-in. wide sheet of Colcap Felt being sure that the lower edge of the 24-in. wide sheet is kept even with the lower edge of the 12-in. wide sheet. Over the surface of the 24-in. strip of felt, and to a point 12 in. above the upper edge, coat with CP-15 Cement and, when same becomes tacky, embed a 36-in. wide sheet of Colcap Felt being sure that the lower edge of a 36-in. wide sheet is kept even with the lower edge of the 24-in. and 12-in. wide sheets.

To the surface of the 36-in. wide sheet apply CP-15 Cement from a point 25 in. below the upper edge of the sheet to a point 11 in. above the upper edge of the sheet and when this cement becomes tacky, embed in same the next 36-in. wide sheet of Colcap Felt, lapping same over previous sheet 25 in. leaving 11 in. exposed. Continue this application until roof has been completed. Over the surface of this construction apply Flextop Fibrated Emulsion at the rate of 80 lb. per 100 sq. ft. or approximately 10 gal. per 100 sq. ft. This material should be spotted to the required amount over the area and smoothed out with a brush or squeegee. Immediately after application of the emulsion, slag shall be embedded at the rate of 300 lb. per 100 sq. ft. or gravel at the rate of 400 lb. per 100 sq. ft.

All roofing sheets shall be carried to the top of cant block.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on decks, having a slope exceeding 1½ in. per ft., but not in excess of 3 in. per ft., all sheets shall be run at right angles to slope of deck and nailed 2 in. from back edge of each sheet, spacing nails on 8-in. centers.

If roof does not permit nailing, nailing strips shall be provided spaced not greater than 3 ft. on centers. Wooden nailing strips, when provided, shall be laid parallel to slope of deck.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 15-YEAR ROOF

OVER WOOD AND PRECAST GYPSUM DECKS

(Smooth Surface)

SPECIFICATION No. AS-1

CONSTRUCTION: 4 Plies—No. 20 Fiberock over
1 Ply—No. 45 Fiberock Base Sheet

INCLINE: ¾ in. to 5 in. per ft.

Underwriters' Laboratories Class "A" Rating

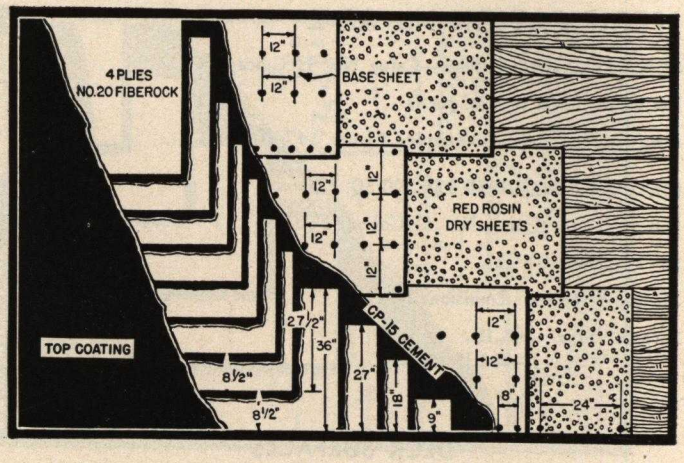
MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet

Felt: 1 Ply—No. 45 Carey Fiberock
4 Plies—No. 20 Fiberock

Ply Cement: CP-15 Cement 8 gal.

Top Coating: CP-15 Coating 2 gal.
or CP-10 Coating 1½ gal.



DECK SURFACES

Wood Deck—Before this Built-Up Roofing Specification is applied, the deck shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

FELT PREPARATION

The No. 45 Fiberock Base Sheet is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces; this cant block to be either a Carey Elastite Cant Block or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the deck apply a layer of No. 45 Fiberock Base Sheet lapping same 2 in. and nailing 8 in. on centers on laps and staggering 2 rows of nails through the center of the sheet, the first row 12 in. from the lower edge of the sheet spacing nails 12 in. on centers. On wood decks use 1-in. "Simplex" nails or 1-in. roofing nails driven through tin caps and on precast gypsum decks use the "Viking" or approved staple through tin caps. Over the surface of the No. 45 Fiberock Base Sheet and starting at the eave or low point of the roof, apply Carey CP-15 Cement and into same embed, when tacky, a 9-in. width of No. 20 Fiberock. Coat the surface of the No. 20 Fiberock with Carey CP-15 Cement and carry same to a point about 9 in. above the upper edge of the 9-in. sheet and when this cement becomes tacky, embed in same an 18-in. wide sheet of No. 20 Fiberock. Coat the surface of the 18-in. wide sheet of No. 20 Fiberock with CP-15 Cement and carry same to a point 9 in. beyond upper edge of the 18-in. sheet and when the cement becomes tacky, embed in same a 27-in. wide sheet of No. 20 Fiberock. Coat the surface of the 27-in. wide sheet of No. 20 Fiberock with CP-15 Cement and carry same to a point 9 in. beyond the upper edge of the 27-in. wide sheet of No. 20 Fiberock and when the cement becomes tacky, embed in same a 36-in. wide sheet of No. 20 Fiberock. To the surface of the 36-in. wide sheet apply CP-15 Cement from a point 8½ in. above the lower edge of the sheet and to a point 8½ in. above the upper edge of the sheet and when this cement becomes tacky, embed in same the next full width sheet of No. 20 Fiberock lapping same over previous sheet 27½ in. leaving 8½ in. exposed. Continue this application until the roof has been completed. Over the surface of this construction apply CP-15 Roof Coating at the rate of 2 gal. per 100 sq. ft. or CP-10 Coating at the rate of 1½ gal. per 100 sq. ft.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

Each application of CP-15 Cement between plies shall be at the rate of 2 gal. per 100 sq. ft.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on deck having slope exceeding 1½ in. per ft., and not exceeding 5 in. per ft., all sheets shall be run at right angles to slope of deck and nailed 2 in. from back edge of each sheet, spacing nails on 8-in. centers.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 15-YEAR ROOF

OVER CONCRETE, INSULATED STEEL AND CAREY THERMO-BORD DECKS

(Smooth Surface)

SPECIFICATION No. AS-2

CONSTRUCTION: 3 Plies—No. 20 Fiberock over
1 Ply—No. 45 Fiberock Base Sheet

INCLINE: ¾ in. to 5 in. per ft.

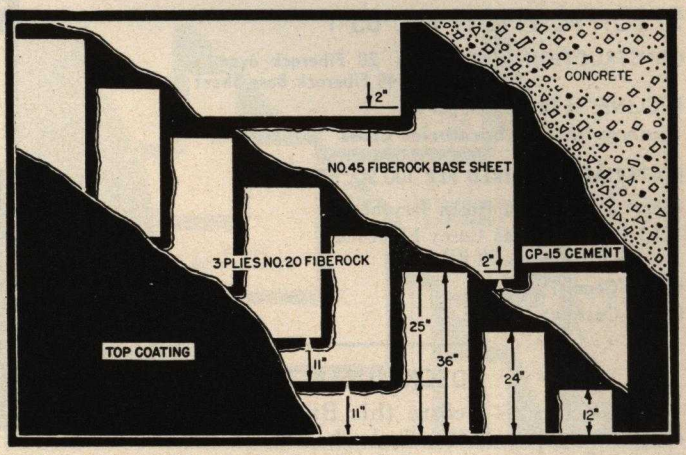
Underwriters' Laboratories Class "A" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 1 Ply—No. 45 Carey Fiberock
3 Plies—No. 20 Fiberock

Ply Cement: CP-15 Cement 8 gal.

Top Coating: CP-15 Coating 2 gal.
or CP-10 Coating 1½ gal.



DECK SURFACES

The roof deck over which this specification is to be applied shall be dry, smooth, free from rubbish and debris and free from objectionable low spots and depressions. Roof must be applied during dry, favorable weather. Metal decks must be covered with 2 plies of No. 15 Feltex and at least ½ in. of approved insulation.

FELT PREPARATION

The No. 45 Fiberock Base Sheet is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces; this cant block to be either a Carey Elastite Cant Block or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the roof deck apply CP-15 Cement at the rate of 2 gal. per 100 sq. ft. and embed in same, when it becomes tacky, a layer of No. 45 Fiberock Base Sheet lapping same 2 in. Cement between laps with CP-15 Cement. Over the surface of the No. 45 Fiberock Base Sheet and starting at the eave or low point of the roof, apply Carey CP-15 Cement and into same embed, when tacky, a 12-in. width of Carey No. 20 Fiberock. Coat the surface of the No. 20 Fiberock with Carey CP-15 Cement and carry same to a point 12 in. above the upper edge of the 12-in. wide sheet and, when this cement becomes tacky, embed in same a 24-in. wide sheet of No. 20 Fiberock. Coat the surface of the 24-in. width of No. 20 Fiberock with CP-15 Cement and carry same to a point 12 in. beyond the upper edge of the 24-in. sheet, and when the cement becomes tacky embed in same a 36-in. wide sheet. Apply CP-15 Cement from a point 11 in. above the lower edge of the sheet to a point 11 in. above the upper edge of the sheet and when this cement becomes tacky embed in same the next full width sheet of No. 20 Fiberock, lapping same over previous sheet 25 in. leaving 11 in. exposed. Continue this application until roof has been completed. Over the surface of this construction apply CP-15 Roof Coating at the rate of 2 gal. per 100 sq. ft. or CP-10 Coating at the rate of 1½ gal. per 100 sq. ft.

All roofing sheets shall be carried to top of cant block.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

Each application of CP-15 Cement between plies shall be at the rate of 2 gal. per 100 sq. ft.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on deck having slope exceeding 1½ in. per ft., and not exceeding 5 in. per ft., all sheets shall be run at right angles to slope of deck and nailed at point 2 in. from back edge of each sheet, spacing nails on 8-in. centers. If deck does not permit nailing, nailing strips spaced 3 ft. on centers shall be provided by others.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 10-YEAR ROOF

OVER WOOD AND PRECAST GYPSUM DECKS

(Smooth Surface)

SPECIFICATION No. BS-1

CONSTRUCTION: 3 Plies—No. 20 Fiberock over
1 Ply—No. 45 Fiberock Base Sheet

INCLINE: ¾ in. to 5 in. per ft.

Underwriters' Laboratories Class "B" Rating

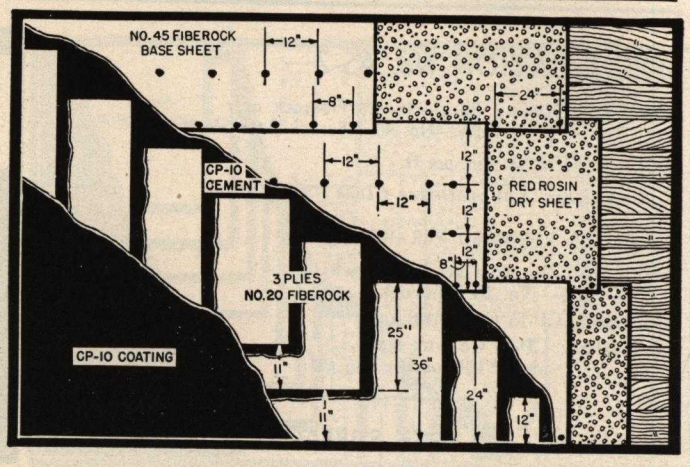
MATERIALS REQUIRED PER 100 SQ. FT.

Paper: 1 Ply—Red Rosin Dry Sheet

Felt: 1 Ply—No. 45 Carey Fiberock
3 Plies—No. 20 Fiberock

CP-15 Cement: 6 gal.

CP-10 Coating: 1½ gal.



DECK SURFACES

Wood Deck—Before this Built-Up Roofing Specification is applied, the deck shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. Base sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

FELT PREPARATION

The No. 45 Fiberock Base Sheet is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces; this cant block to be either a Carey Elastite Cant Block or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the deck apply a layer of No. 45 Fiberock Base Sheet lapping same 2 in. and nailing 8 in. on centers on laps and staggering 2 rows of nails through center of sheet, the first row 12 in. from the lower edge of sheet, and second row 12 in. from upper edge of sheet, spacing nails 12 in. on center. Use 1-in. "Simplex" nails or 1-in. roofing nails driven through tin caps on wood decks, and "Viking" staples through tin caps on precast gypsum decks.

Over the surface of the No. 45 Fiberock Base Sheet and starting at the eave or low point of the roof, apply Carey CP-15 Cement and into same embed when tacky a 12-in. width of Carey No. 20 Fiberock. Coat the surface of the No. 20 Fiberock with Carey CP-15 Cement and carry same to a point 12 in. above the upper edge of the 12-in. wide sheet and when this cement becomes tacky embed in same a 24-in. wide sheet of No. 20 Fiberock. Coat the surface of the 24-in. width of No. 20 Fiberock with CP-15 Cement and carry same to a point 12 in. beyond the upper edge of the 24-in. sheet, and when the cement becomes tacky embed in same a 36-in. wide sheet of No. 20 Fiberock. To the surface of the 36-in. wide sheet, apply CP-15 Cement from a point 11 in. above the lower edge of the sheet to a point 11 in. above the upper edge of the sheet and when this cement becomes tacky, embed in same the next full width sheet of No. 20 Fiberock, lapping same over previous sheet 25 in. leaving 11 in. exposed. Continue this application until roof has been completed. Over the surface of this construction apply CP-15 Roof Coating at the rate of 1½ gals. per 100 sq. ft.

All roofing sheets shall be carried to top of cant block.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

Each application of CP-15 Cement between plies shall be at the rate of 2 gal. per 100 sq. ft.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specifications on deck having slope exceeding 1½ in. per ft., and not exceeding 5 in. per ft., all sheets shall be run at right angles to slope of deck and nailed 2 in. from back edge of each sheet, spacing nails on 8-in. centers.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 10-YEAR ROOF

OVER CONCRETE, INSULATED STEEL AND CAREY THERMO-BORD DECKS

(Smooth Surface)

SPECIFICATION No. BS-2

CONSTRUCTION: 2 Plies—No. 20 Fiberock over
1 Ply—No. 45 Fiberock Base Sheet

INCLINE: ¾ in. to 5 in. per ft.

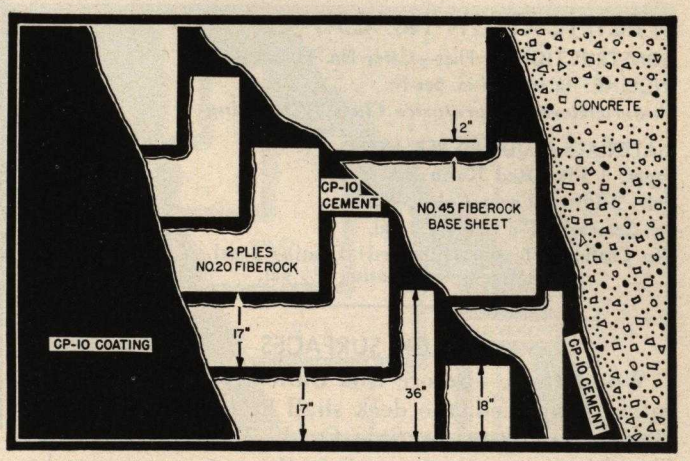
Underwriters' Laboratories Class "B" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 1 Ply—No. 45 Carey Fiberock
2 Plies—No. 20 Fiberock

CP-15 Cement: 6 gal.

CP-10 Coating: 1½ gal.



DECK SURFACES

The roof deck over which this specification is to be applied shall be dry, smooth, free from rubbish and debris and free from objectionable low spots and depressions. Roof must be applied during dry, favorable weather. Metal decks must be covered with 2 plies of No. 15 Feltex and at least ½ in. of approved insulation.

FELT PREPARATION

The No. 45 Fiberock Base Sheet is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces; this cant block to be either a Carey Elastite Cant Block or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the roof deck, apply CP-15 Cement at the rate of 2 gal. per 100 sq. ft., and embed in same, when it becomes tacky, a layer of No. 45 Fiberock Base Sheet lapping same 2 in. Cement between laps with CP-15 Cement. Over the surface of the No. 45 Fiberock Base Sheet, and starting at the eave or low point of the roof, apply Carey CP-15 Cement, and into same embed, when tacky, a 18-in. width of Carey No. 20 Fiberock. Coat the surface of the No. 20 Fiberock with Carey CP-15 Cement and carry same to a point 17 in. above the upper edge of the 19-in. wide sheet and when this cement becomes tacky, embed in same a 36-in. wide sheet of No. 20 Fiberock. To the surface of the 36-in. wide sheet, apply CP-15 Cement from a point 17 in. above the lower edge of the sheet to a point 19 in. above the upper edge of the sheet and, when this cement becomes tacky, embed in same the next full width sheet of No. 20 Fiberock, lapping same over previous sheet 19 in. leaving 17 in. exposed. Continue this application until roof has been completed. Over the surface of this construction apply CP-10 Roof Coating at the rate of 1½ gal. per 100 sq. ft.

All roofing sheets shall be carried to top of cant block.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

Each application of CP-15 Cement between plies shall be at the rate of 2 gal. per 100 sq. ft.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on deck having slope exceeding 1½ in. per ft. and not exceeding 5 in. per ft., all sheets shall be run at right angles to slope of deck and nailed at point 2 in. from back edge of each sheet, spacing nails on 8-in. centers. If deck does not permit nailing, nailing strips spaced 3 ft. on centers shall be provided by others.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 5-YEAR ROOF

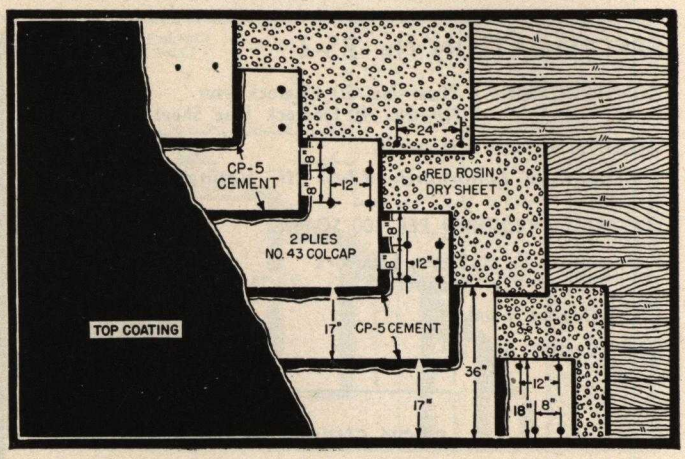
OVER WOOD AND PRECAST GYPSUM DECKS

(Smooth Surface)

SPECIFICATION No. CS-1

CONSTRUCTION: 2 Plies—Carey No. 43 Colcap Felt
INCLINE: ¾ in. to 5 in. per ft.
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT
Paper: 1 Ply—Red Rosin Dry Sheet
Felt: 2 Plies—Carey Colcap Felt
Ply Cement: CP-5 Cement 2 gal.
Top Coating: Flextop (Fibrated) Coating 2 gal.
or Careyclad Coating 1½ gal.



DECK SURFACES

Wood Deck—Before this Built-Up Roofing Specification is applied, the deck shall be covered with Red Rosin Dry Sheet or Sub Grade Felt, Polar Brand Sheathing or a substitute of similar nature, same to be lapped approximately 2 in. and secured to the deck by occasional nailing.

Gypsum Decks—Gypsum decks must be thoroughly dry prior to application of roofing. The Red Rosin Dry Sheet or a substitute of a similar nature is required on pre-cast gypsum decks. All sheets should be secured to gypsum decks by use of "Viking" or approved staples through tin caps instead of nails.

FELT PREPARATION

The No. 43 Colcap Felt Roofing is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces; this cant block to be either a Carey Elastite Cant Block, or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the deck starting at the eaves, or at the low point of the roof, apply an 18-in. width of Carey Colcap Felt nailing same along the lower edge, using 1-in. "Simplex" nails or roofing nails driven through tin caps, spacing same on 8-in. centers. Nail the upper edge enough to hold same in place. Use "Viking" staples through tin caps on precast gypsum decks.

Over the 18-in. strip, apply a coating of Carey CP-5 Cement at the rate of 2 gal. per 100 sq. ft. When this cement becomes tacky embed in it a 36-in. wide sheet of Carey Colcap Felt keeping lower edge of 36-in. wide sheet even with lower edge of 18-in. wide sheet. Nail the 36-in. wide sheet at points 8 in. and 16 in. from the upper edge of sheet, using 1-in. "Simplex" nails or roofing nails driven through tin caps, spacing same 12 in. on centers.

Next coat the surface of the Carey Colcap Felt with Carey CP-5 Cement to a point 19 in. from the upper edge of this sheet and, when the cement becomes tacky, embed in it a sheet of Carey Colcap Felt lapping the previous sheet 19 in., leaving 17 in. exposed. Nail as indicated above and continue until roof area is completed.

Coat the complete surface with Flextop Emulsion at the rate of 2 gal. per 100 sq. ft. or Careyclad Coating at the rate of 1½ gal. per 100 sq. ft.

All roofing sheets shall be carried to top of cant block.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on deck having slope exceeding 1½ in. per ft. and not exceeding 5 in. per ft., all sheets shall be run at right angles to slope of deck and nailed 2 in. from back edge of each sheet, spacing nails on 8-in. centers.

For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey COLD PROCESS BUILT-UP 5-YEAR ROOF

OVER CONCRETE, INSULATED STEEL AND CAREY THERMO-BORD DECKS

(Smooth Surface)

SPECIFICATION No. CS-2

CONSTRUCTION: 2 Plies—Carey No. 43 Colcap Felt

INCLINE: ¾ in. to 5 in. per ft.

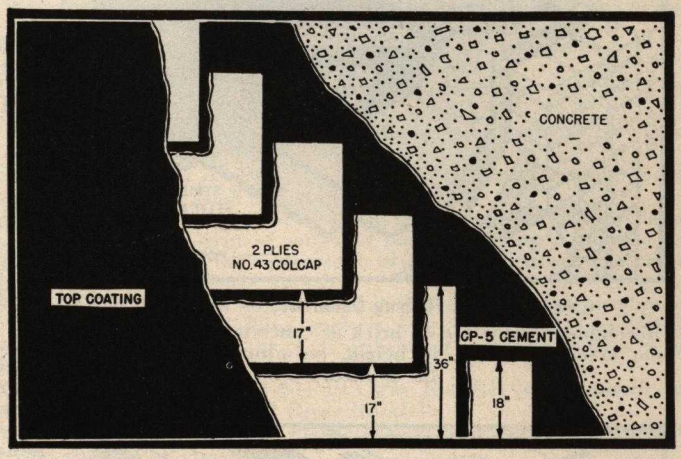
Underwriters' Laboratories Class "C" Rating

MATERIALS REQUIRED PER 100 SQ. FT.

Felt: 2 Plies—Carey Colcap Felt

Ply Cement: CP-5 Cement 4 gal.

Top Coating: Flextop (Fibrated) Coating 2 gal.
or Careyclad Coating 1½ gal.



DECK SURFACES

Before coating is applied to the deck, same must be dry, smooth, clean and free from debris of all sorts. Roof must be applied during dry, favorable weather. Metal decks must be covered with 2 plies of No. 15 Feltex and at least ½ in. of approved insulation.

FELT PREPARATION

The No. 43 Colcap Felt Roofing is to be cut in strips not over 18 ft. long and to be stacked flat for a period of at least four hours before being used.

CANT BLOCKS

A cant block shall be installed in all angles formed by the intersection of the roof deck and vertical surfaces; this cant block to be either a Carey Elastite Cant Block or a wood cant cut out of 4 x 4-in. lumber ripped diagonally.

APPLICATION

Over the surface of the roof, and starting at the low point, apply a coating of Carey CP-5 Cement at the rate of approximately 2 gal. per 100 sq. ft. for a width of 18 in. and, when cement becomes tacky, embed in same an 18-in. width of Carey Colcap Felt. Over the surface of the 18-in. strip of felt, and to a point 18 in. above the upper edge, coat with CP-5 Cement at the rate of approximately 2 gal. per 100 sq. ft. and, when same becomes tacky, embed a 36-in. wide sheet of Carey Colcap Felt being sure that lower edge of the 36-in. wide sheet is kept even with the lower edge of the 18-in. wide sheet.

To this surface apply a coating of CP-5 Cement from a point 19 in. below the upper edge of the 36-in. wide sheet to a point 17 in. beyond the back edge on the roof, and embed in this cement, when it becomes tacky, a 36-in. wide sheet of Carey Colcap Felt. Continue this operation until entire roof is covered.

To the surface of this felt, apply a coating of Flextop Roof Coating at the rate of 2 gal. per 100 sq. ft. or Carey-clad Coating at the rate of 1½ gal. per 100 sq. ft.

All roofing sheets shall be carried to top of cant block.

All sheets shall be broomed carefully in order to assure complete adhesion of felts.

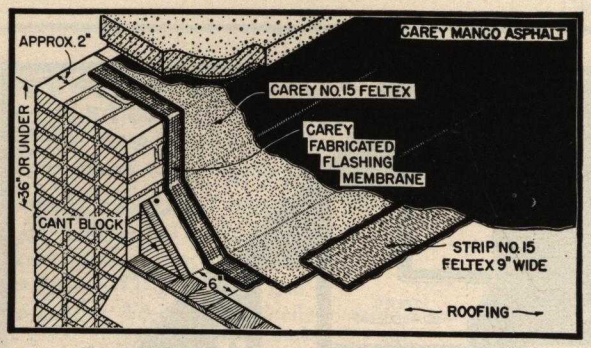
When open eaves or gables occur, carry roofing felt down over edge and nail securely into vertical face with 1-in. roofing nails driven through tin caps spaced 4 in. on center.

STEEP DECK APPLICATION WHEN INCLINE EXCEEDS 1½ IN. PER FT.

In applying the above specification on deck having slope exceeding 1½ in. per ft. and not exceeding 5 in. per ft., all sheets shall be run at right angles to slope of deck and nailed at a point 2 in. from back edge of each sheet, spacing nails on 8-in. centers. If roof does not permit nailing, nailing strips spaced on 3-ft. centers shall be provided by others.

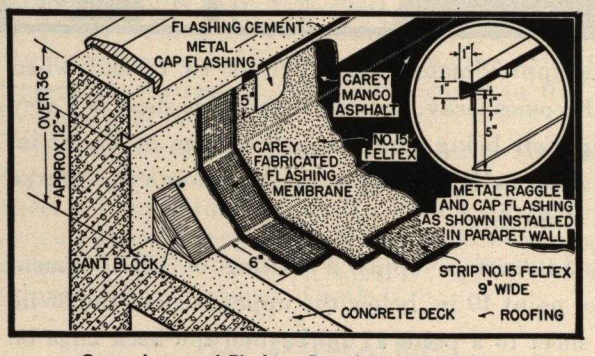
For flashing and edging specifications, see page 24

SPECIFICATIONS FOR Carey FLASHING DETAILS



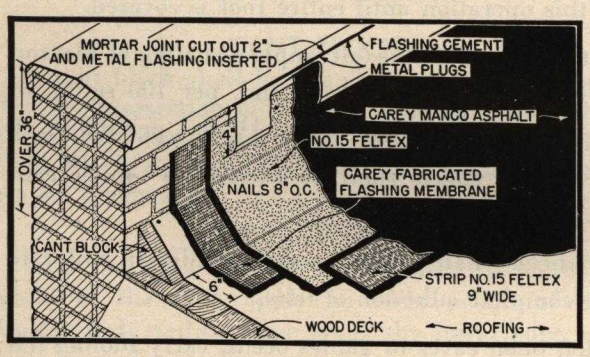
Carey Approved Flashing Detail No. 1—10-Year

Recommended for use on brick or concrete parapet walls not exceeding 36 in. in height, on which coping is to be applied.



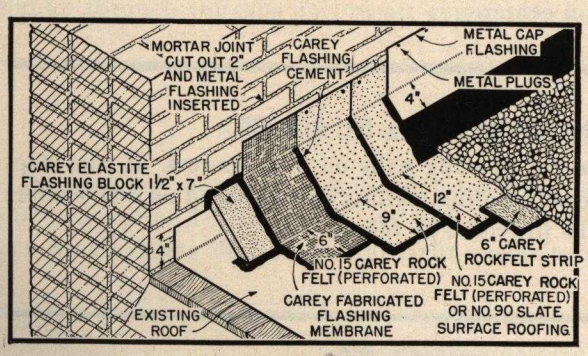
Carey Approved Flashing Detail No. 2—10-Year

Recommended for use on concrete parapet walls exceeding 36 in. in height.



Carey Approved Flashing Detail No. 3—10-Year

Recommended for use on brick parapet walls exceeding 36 in. in height.



Carey Approved Flashing Detail No. 4—20-Year

The flashing details 1, 2, 3, 4, 5 and 6 are adaptable to new or replacement work and may be modified to meet almost any unusual condition. The methods of installation are clearly indicated. The text below describes the material used in the flashing and the laying of the sheets over the wood cant strip.

CAREY FABRICATED FLASHING MEMBRANE

A two-ply preformed Fabricated Flashing Membrane consisting of laminations of Waterproofed Cotton Fabric and Feltex, bonded together at the factory with an especially blended and refined asphalt.

Weight of sheet per 100 sq. ft.....Approx. 32 lb.
Stretch before fracture.....Approx. 10%
Mullen test for tensile strength against felt side of Membrane .....Approx. 190 lb.

On account of the elasticity, stretch, strength and extreme flexibility of this material it will conform readily and bond securely with hot asphalt to parapet walls, angles and corners, thus tending to eliminate danger of cracks and breaks found in ordinary flashing material as the result of misuse, movement in the roof deck or settling of the building.

WOOD CANT BLOCK

Wood cant block shall be constructed out of a diagonal half of a 4 x 4 which shall be placed securely in the angle of the wall and cemented in place with a mopping of hot asphalt on hard surfaced decks or toe nailed at the lower edge of the cant block on wood decks.

The heavy base sheet and all top sheets of the built-up roof shall extend to the top edge of the wood cant block and be secured in place with nails driven through flat tin caps, after which a strip of Carey Fabricated Flashing Membrane shall be laid parallel with the cant block extending at least 8 in. up on the vertical side of the parapet wall and approximately 6 in. out on the roof and secured in place with a mopping of hot asphalt, and nailed into mortar joint along top edge on 8-in. centers.

The rest of the flashing construction shall be installed in accordance with Carey Approved Flashing Details Nos. 1, 2 and 3.

Carey Steep Asphalt shall be used throughout.

ALTERNATE—PLASTIC FLASHINGS

As an alternate construction it will be satisfactory to substitute Carey Flashing Cement in place of hot asphalt as the bonding material on details 1, 2 and 3 flashing constructions.

On details 2 or 3, where metal Counter Flashings are not desired, if Carey Flashing Cement is used as the bonding material, it will be satisfactory to use as a Counter Flashing over the top edge of the base flashing, a 4-in. wide strip of saturated cotton fabric laid in Carey Flashing Cement and trowel coated with same material.

TYPE 4

One—Install roofing felts in usual manner, carry all plies of roofing up parapet wall not less than 4 in.

Two—Install cant block, both edges to be set in plastic cement, nail through lower edge to secure in place.

Three—Apply layer of Fabricated Flashing Membrane set in plastic cement as shown in detail.

Four—Over Fabricated Flashing Membrane apply a layer of No. 15 Perforated Carey Rockfelt set in plastic.

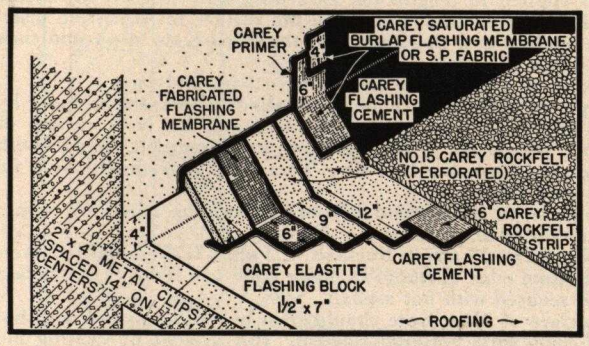
Five—A second ply of No. 15 Perforated Carey Rockfelt is then applied, set in plastic, or as an alternate to the second ply employ 90-lb. Slate Surface Roofing.

Six—Secure top edge of base flashing by means of galvanized nails driven through tin caps into first joint below the raglet, or if through the wall flashing is used, the first joint below the point at which through the wall flashing is installed.

Seven—Apply ⅛-in. layer Plastic Cement to surface of No. 15 Perforated Carey Rockfelt from top to bottom of cant. (Not required if 90-lb. slate surface used.)

Eight—Apply 6-in. strip of No. 15 Carey Rockfelt laid in plastic to seal edge of No. 15 Perforated Carey Rockfelt or 90-lb. slate surface.

Nine—Install copper counter flashing.



Carey Approved Flashing Detail No. 5—15-Year

TYPE 5

One—Install roofing felts in usual manner, carry all plies of roofing up parapet wall not less than 4 in.

Two—Install cant block, both edges to be set in plastic cement. Secure in place by metal clips as shown in detail.

Three—Apply layer of Fabricated Flashing Membrane set in plastic cement as shown in detail.

Four—Over Fabricated Flashing Membrane, set in plastic cement a layer of 15-lb. Perforated Carey Rockfelt.

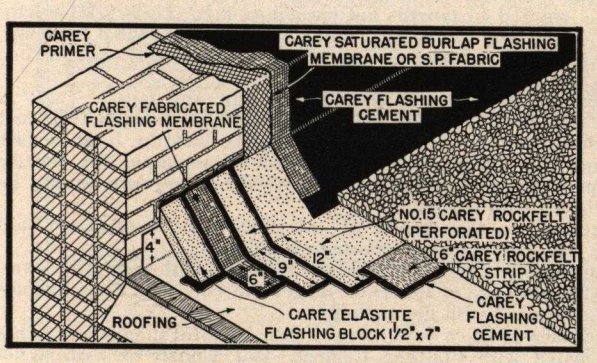
Five—Over the first layer of No. 15 Perforated Carey Rockfelt apply a second layer setting same in plastic cement.

Six—Prime parapet to height of 10 in. above top edge of base flashing. Set a 9-in. wide strip of saturated burlap, flashing membrane or S. P. Fabric in plastic, the upper edge of burlap to extend to a point 6 in. above top edge of cant.

Seven—Over the upper edge of saturated burlap, flashing membrane or S. P. Fabric counterflashing apply a 4-in. wide strip of saturated burlap, flashing membrane or S. P. Fabric set in plastic cement as a sealing strip (see detail).

Eight—Apply 6-in. strip of No. 15 Carey Rockfelt laid in plastic to seal edge of No. 15 Perforated Carey Rockfelt.

Nine—Apply ⅛-in. layer of plastic cement over entire construction carrying same to toe of cant block.



Carey Approved Flashing Detail No. 6—15-Year

TYPE 6

One—Install roofing felts in usual manner, carry all plies of roofing up parapet wall not less than 4 in.

Two—Install cant block, both edges to be set in plastic cement, nail through lower edge to secure in place.

Three—Apply layer of Fabricated Flashing Membrane set in plastic cement as shown in detail.

Four—Over Fabricated Flashing Membrane apply a layer of No. 15 Perforated Carey Rockfelt set in plastic.

Five—Over the first layer of No. 15 Perforated Carey Rockfelt apply a second layer setting same in plastic cement.

Six—Prime face and top of parapet wall.

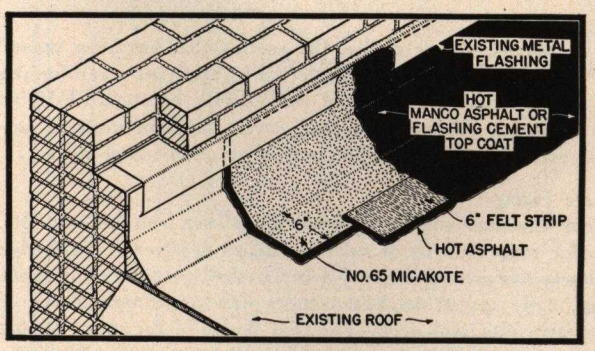
Seven—Apply layer of saturated burlap, flashing membrane or S. P. Fabric set in plastic cement, starting from a point 1 in. from exterior face of parapet wall and carrying saturated burlap, flashing membrane or S. P. Fabric down face of parapet to a point half way down face of cant block.

Eight—Apply 6-in. strip of No. 15 Carey Rockfelt laid in plastic to seal edge of No. 15 Perforated Carey Rockfelt.

Nine—Coat entire surface of saturated burlap, flashing membrane or S. P. Fabric with finish coat of plastic cement carrying same down to toe of cant block.

ALTERNATE FLASHING DETAILS

For Use on Reroofing Work Only



Carey Approved Flashing Detail No. 3A—10-Year
(For reroofing work only)

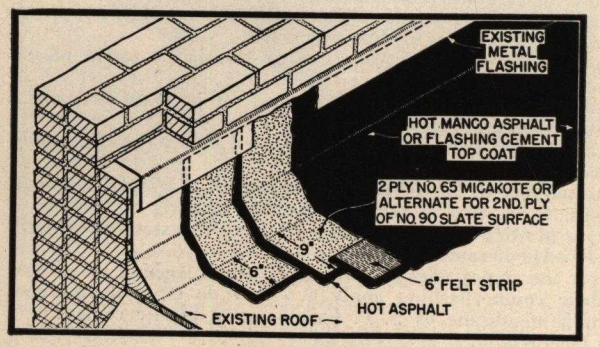
Flashing Detail 3A—10-Year—Existing metal flashing to be raised as high as possible without danger of fracturing same. The 65-lb. Mica Kote sheet should be applied in lengths not exceeding 8 ft. These 8-ft. lengths should be applied with hot asphalt, coating both the surface to which the materials are to be applied and the surface of the Mica Kote sheet and then immediately put in place.

These maximum 8-ft. sections should have 6-in. end laps and these end laps stripped with fabric.

A 6-in. strip of No. 15 Carey Rockfelt or Feltex is then applied, overlapping the bottom edge of the 65-lb. Mica Kote and secured with hot asphalt.

Exposed surface of Mica Kote should be solid mopped with hot asphalt or coated with Flashing Cement.

Metal Counter Flashing to be carefully bent down capping this construction.


EXISTING METAL FLASHING
HOT MANCO ASPHALT OR FLASHING CEMENT TOP COAT
2 PLY NO. 65 MICAKOTE OR ALTERNATE FOR 2ND. PLY OF NO. 90 SLATE SURFACE
9"
6"
6" FELT STRIP
HOT ASPHALT
EXISTING ROOF

Carey Approved Flashing Detail No. 4A—20-Year
(For reroofing work only)

Flashing Detail 4A—20-Year—Existing metal flashing to be raised as high as possible without danger of fracturing same. A 65-lb. Mica Kote sheet is applied in lengths not exceeding 8 ft. These 8-ft. lengths are applied in hot asphalt, coating both the surface to which the material is to be applied and the surface of the Mica Kote sheet and then immediately put in place.

These maximum 8-ft. lengths should have 6-in. end laps.

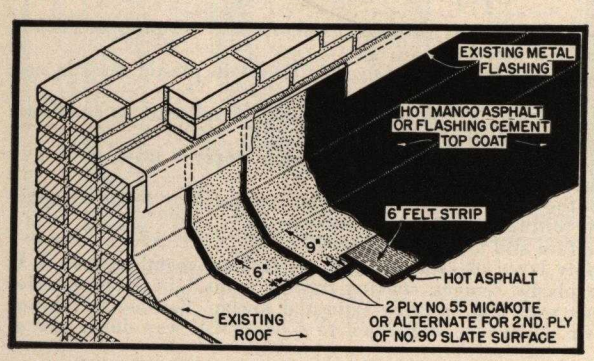
A second ply of 65-lb. Mica Kote is installed in the same manner by coating both the Mica Kote that is in place and the back surface of the second ply. These are to be applied in maximum 8-ft. lengths with the laps staggered from the first ply. These end laps should be 6 in. and stripped with fabric.

As an alternate to the second ply of 65-lb. Mica Kote, we would approve the use of 90-lb. Slate Surface Roofing.

A 6-in. strip of No. 15 Carey Rockfelt or Feltex is then applied overlapping the bottom edge of the 65-lb. Mica Kote (or 90-lb. Slate Surface Roofing) and secured with hot asphalt.

Exposed surface of Mica Kote should then be solid mopped with hot asphalt or coated with Flashing Cement. Hot asphalt or coating not required with use of 90-lb. Slate Surface sheet.

Metal Counter Flashing to be carefully bent down capping this construction.


EXISTING METAL FLASHING
HOT MANCO ASPHALT OR FLASHING CEMENT TOP COAT
6" FELT STRIP
9"
6"
HOT ASPHALT
2 PLY NO. 55 MICAKOTE OR ALTERNATE FOR 2ND. PLY OF NO. 90 SLATE SURFACE
EXISTING ROOF

Carey Approved Flashing Detail No. 5A—15-Year
(For reroofing work only)

Flashing Detail 5A—15-Year—Existing metal flashing to be raised as high as possible without danger of fracturing same. A 55-lb. Mica Kote sheet is applied in lengths not exceeding 8 ft. These 8-ft. lengths are applied in hot asphalt, coating both the surface to which the material is to be applied and the surface of the Mica Kote sheet and then immediately put in place.

These maximum 8-ft. lengths should have 6-in. end laps.

A second ply of 55-lb. Mica Kote is installed in the same manner by coating both the Mica Kote that is in place and the back surface of the second ply. These are to be applied in maximum 8-ft. lengths with the laps staggered from the first ply. These end laps should be 6 in. and stripped with fabric.

As an alternate to the second ply of 55-lb. Mica Kote, we would approve the use of 90-lb. Slate Surface Roofing.

A 6-in. strip of No. 15 Carey Rockfelt or Feltex is then applied overlapping the bottom edge of the 55-lb. Mica Kote (or 90-lb. Slate Surface Roofing) and secured with hot asphalt.

Exposed surface of Mica Kote should then be solid mopped with hot asphalt or coated with Flashing Cement. Hot asphalt or coating not required with use of 90-lb. Slate Surface sheet.

Metal Counter Flashing to be carefully bent down capping this construction.

FLASHINGS FOR COLD PROCESS SPECIFICATIONS

Base Flashings

Base flashings used in connection with Cold Process Built-Up Roofing shall be constructed as follows:

1. Carry all plies of roofing felts to the top of cant block.

2. Apply to parapet wall to a height of at least 6 in. above top of cant block, CP-5, or CP-15 Cement and carry same down over cant block to a point at least 6 in. beyond the toe of the cant block.

3. When the cement used becomes tacky, embed in same a layer of Fabricated Flashing Membrane, fabric side in, pressing same firmly into the cement. Coat the surface of the Fabricated Flashing Membrane with the cement used and, when it becomes tacky, embed in same a layer of No. 20 Fiberock. Secure top edge of base flashing by means of nails driven through tin caps into first brick joint below top of flashing felt.

4. Strip edge of base flashing on roof with 4-in. wide strip of S. P. Fabric set in CP-5, or CP-15 Cement.

5. Counter flash with metal cap flashing on brick walls; on concrete walls with 4-in. strip of S. P. Fabric, set in flashing cement along top edge of flashing.

6. Coat flashing with Flextop, CP-10, or CP-15 Coatings.

Flashing-Skylight, Vent Stack and Scuttle Curb Flashings

Cant blocks shall be installed in the angle formed by the intersection of the roof deck and skylight, vent stack and scuttle curb.

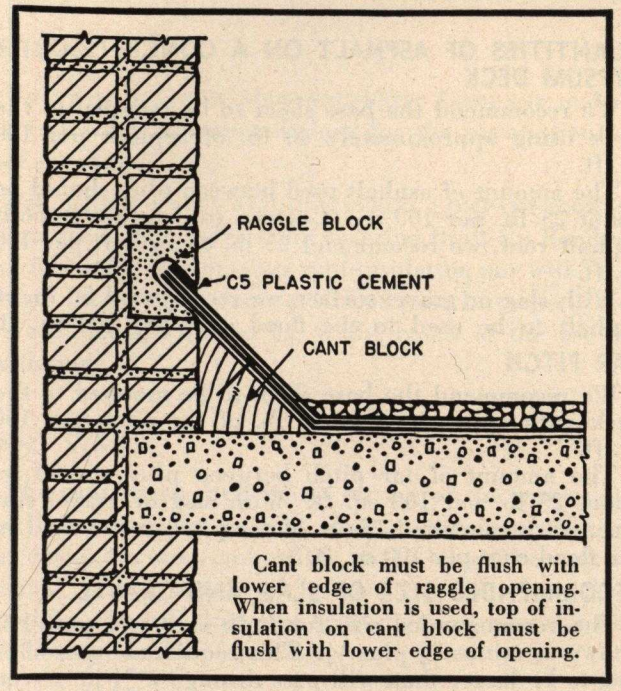
These curbs shall be flashed as described above except that flashing shall be carried up and on top of skylight, vent stack or scuttle curb and nailed on top edge with large head roofing nails on 4-in. centers. These nails to be protected with a strip of S. P. Fabric, set in and coated with CP-5, or CP-15 Cement, and brought down over the edge at least 2 in.

Edging

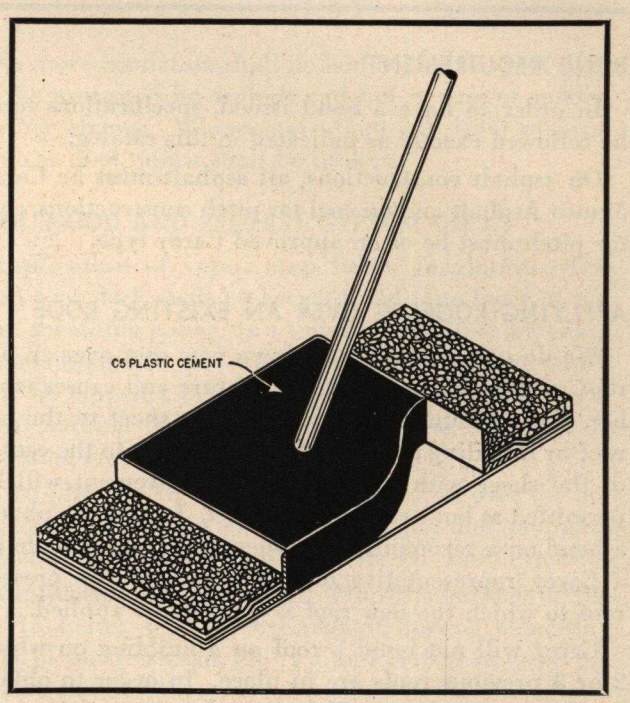
At all open eaves or gables, the roofing that has been turned down over the edges shall be protected by applying a reinforcing strip of S. P. Fabric set in and coated with Flextop, CP-10, or CP-15 Coatings. This fabric shall cover nails on vertical face and be carried to a point 6 in. from edge on the roof surface.

Alternate Edging

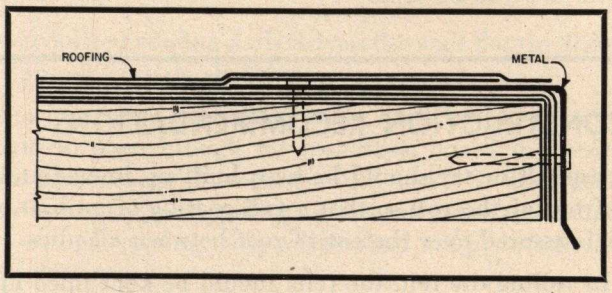
As an alternate edging, a metal edge strip can be installed. This edge strip shall be of sufficient depth to cover vertical edge completely and extend on roof 4 in. It shall be secured in place by 1-in. nails spaced on 4-in. centers driven through flange of edging strip into roof deck. The roof flange of the metal edging shall be stripped with two strips of S. P. Fabric. The first strip shall be 6 in. wide and the second 8 in. wide. Both strips shall be set in and coated with Flextop, CP-10, or CP-15 Coatings.


RAGGLE BLOCK
C5 PLASTIC CEMENT
CANT BLOCK
Cant block must be flush with lower edge of raggle opening. When insulation is used, top of insulation on cant block must be flush with lower edge of opening.

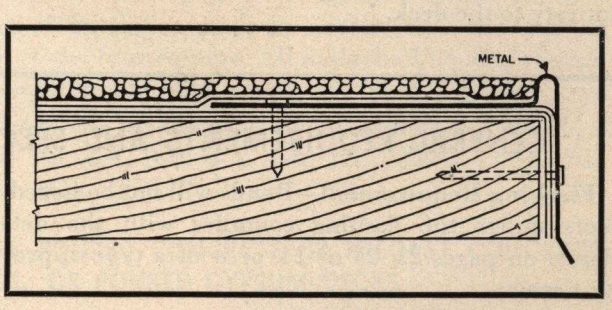
Raggle Construction



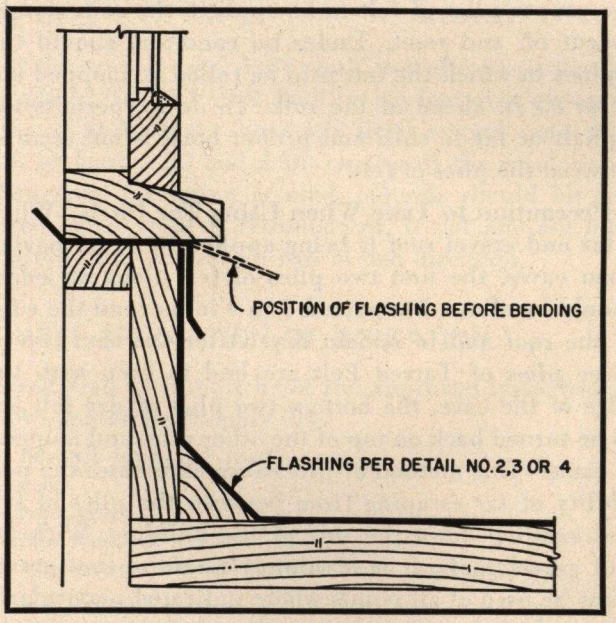
Plastic Pocket for Guy Rods, Posts, etc.



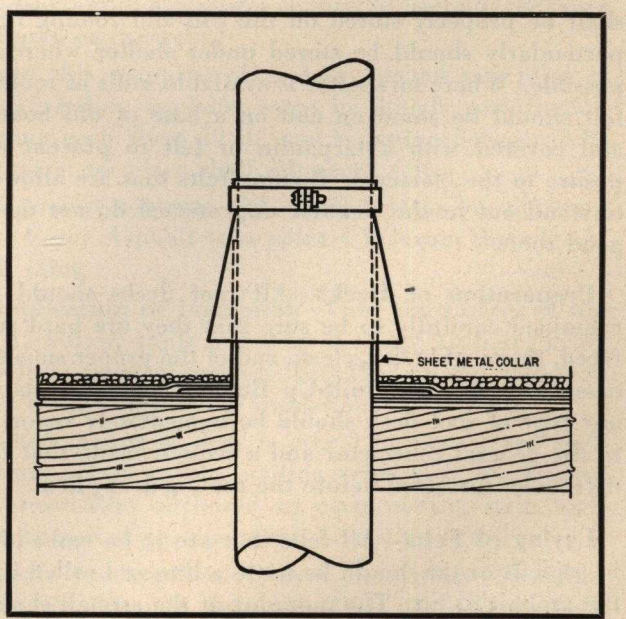
Metal Edge Trim



Metal Gravel Stop



Monitor Sash or Skylight Flashing



Vent or Duct Flashing

BOND REQUIREMENT

In order to have a bond issued, specifications must be followed exactly as indicated in this catalog.

On asphalt constructions, all asphalt must be Carey Manco Asphalt and on coal tar pitch constructions, coal tar pitch must be of an approved Carey type.

APPLYING ROOFING OVER AN EXISTING ROOF

We do not approve mopping a new roof over an old roof as this invariably traps moisture and causes trouble. We recommend nailing the base sheet to the old roof or if nailing not permitted, strip mop to the center of the sheet with the roll so that movement will be permitted at both edges of the sheet. In order to obtain a bond on a reroofing job, inspection must be made by a Carey representative of the surface of the present roof to which the new roof is going to be applied.

Carey will not bond a roof on a building on which 2 or 3 previous roofs are in place. In order to obtain bond, previous roofs will have to be removed in their entirety to the deck.

QUANTITIES OF ASPHALT ON A CONCRETE OR GYPSUM DECK

We recommend the base sheet to be mopped to the deck using approximately 40 lb. of asphalt per 100 sq. ft.

The amount of asphalt used between plies should be about 25 lb. per 100 sq. ft. On a top surface smooth asphalt roof, we recommend 25 lb. of asphalt per 100 sq. ft.

With slag or gravel surface we recommend 50 lb. of asphalt to be used in the flood coat per 100 sq. ft.

TAR PITCH

We recommend the base sheet to be mopped to the deck with approximately 50 lb. of tar pitch per 100 sq. ft.

The amount of tar pitch between plies should be about 25 lb. per 100 sq. ft. With slag or gravel surface, we recommend 75 lb. of tar pitch to be used in the flood coat per 100 sq. ft.

RECOMMENDED SIZE OF SLAG AND GRAVEL

The recommended size for both slag and gravel is known as minus $\frac{3}{4}$ plus $\frac{1}{4}$. This requires no gravel or slag to be larger than will pass through a $\frac{3}{4}$-in. screen mesh and none smaller than would pass through a $\frac{1}{4}$-in. mesh to be used.

GENERAL REQUIREMENTS AND SPECIAL CONSTRUCTION RECOMMENDATIONS

Flashing Requirement—Bonds will not be issued on roofs unless the flashing complies with the details shown on pages 22, 23 or 24, or is of a type approved by Carey.

Storage of Roofing Materials—All roofing materials shall be properly stored on the job and roofing felts particularly should be stored under shelter wherever possible. Where no shelter is available, rolls of roofing felt should be stood on end on a base of old boards and covered with a tarpaulin or felt to prevent exposure to the elements. Roofing felts that are allowed to stand out in the weather unprotected do not make good roofs.

Preparation of Decks—All roof decks should be examined carefully to be sure that they are hard surfaced, thoroughly dry, clean, and of the proper smoothness to receive the Built-Up Roofing. Any defects on any type of roof deck should be immediately reported to the general contractor and a request made that the defects be corrected before the roofing is applied.

Laying of Felts—All felts that are to be embedded in asphalt or tar should be set to a line and rolled into the asphalt or tar. The mopping of the asphalt should not be made too far ahead of the roll but a full bead of asphalt or tar should be kept built up immediately in front of the roll so that a full coating of asphalt or tar is assured over the entire roof between all plies.

In rolling the felt, the felts should be kept lined up, and in case of any deviation from the lines indicating the proper plies of felt to be applied, the rolls should be cut off and reset. Under no condition should the asphalt in which the felt is to be rolled be mopped out 10 or 15 ft. ahead of the roll. To do so, permits the asphalt or tar to chill and proper bond is not secured between the plies of felt.

Precaution to Take When Using Tar Pitch—When a tar and gravel roof is being applied to a roof having open eaves, the first two plies of felt along all edges should be allowed to extend 3 to 4 in. beyond the edge of the roof and to remain dry. After the next two or three plies of Tarred Felt are laid in even with the edge of the eave, the bottom two plies of dry felt are to be turned back on top of the other plies and mopped to same. This method of procedure eliminates the possibility of tar escaping from between the plies of felt and running down the side of the building. With tar and gravel roofs, it is absolutely essential that gravel stops be used at all points where indicated particularly along edge of roofs and around roof drains.

Carey ROOF INSULATION

FOR APPLICATION OVER WOOD, CONCRETE AND STEEL DECKS

GENERAL

THE PHILIP CAREY MANUFACTURING COMPANY makes the following recommendations for the installation of roof insulation.

THE PHILIP CAREY MANUFACTURING COMPANY roofing guarantee or guarantee bond covering Built-Up Roofing and flashing does not cover roof insulation nor will THE PHILIP CAREY MANUFACTURING COMPANY be responsible for any damage caused by or the result of the use of insulation.

CANT STRIPS

The cant strips shall be set on top of the insulation and be secured by nailing through the insulation to the deck. On noncombustible decks when the cant is formed with concrete or poured gypsum, a square shoulder, the full thickness of the insulation at the toe of the cant shall be formed.

NAILS

Galvanized roofing nails driven through flat tin disks, or "Simplex" nails, shall be used.

For use with insulation, nails shall be of sufficient length to pass through the insulation board and penetrate into but not through the roof deck. On steel deck construction, where nailing is necessary, the nails shall be soft nose roofing nails which shall not penetrate the steel deck.

CUT OFFS

At the end of each day's work, cut offs consisting of one ply of No. 15 Feltex shall be applied over exposed edges of insulation. This felt shall extend onto the deck at least 6 in. and 4 in. on top of the insulation. When cork insulation is used, cut offs should be removed when work is resumed; or, if cut offs are not removed, they should all run in one direction.

GENERAL APPLICATION OF INSULATION

Insulation used must be of the approved types listed below, and be thoroughly dry.

For all types of roofs

Cork
Foam glass
Fibre Board—2 ft. x 4 ft. max. size pieces
Poured Vermiculite with Portland Cement (Hard consistency)

For asphalt roofs

Fibre Glass—Owens-Corning type C69K only

No more insulation shall be laid out on the roof than can be protected by asphalt and felt in case of sudden weather change. Where more than one layer of insulation is used, joints shall be broken.

OVER WOOD AND PRECAST GYPSUM DECKS

Application of vapor stop below insulation—The wood roof deck shall be covered with one layer of red rosin sheathing paper, or a suitable substitute weighing not less than 5 lb. per 100 sq. ft. The sheathing paper shall be lapped 2 in. and secured to the deck by occasional nailing. Where precast gypsum decks are used, sheathing may be omitted.

Two plies of No. 15 Feltex shall be laid over the entire surface, lapping each sheet 19 in., and mopping between plies. Back nail all felts on 12-in. centers.

Application of insulation—Mop the surface of the No. 15 Feltex with Carey Asphalt, having a melting point of not less than 190° F., and embed in same the roof insulation.

When the incline of deck exceeds 2 in. per ft., each sheet of insulation shall be anchored to the deck at each of the four corners. All nails shall be long enough to penetrate the deck at least ¾ in.

Roofs for application over insulation—Specifications No. 3-A, 3-B, 4-A, 4-B, 11-A, 11-C, 12-A, 12-B 12-C, AC-2, AS-2, BS-2, and CS-2.

OVER POURED CONCRETE OR PRECAST CONCRETE, STEEL, OR POURED GYPSUM DECKS

Application of vapor stop below insulation—Over the deck apply a uniform coating of asphalt. (Primer first used on concrete.)

Into this mopping of asphalt, embed two plies of No. 15 Feltex applying same in shingle construction lapping each sheet 19 in. and mopping between felts so that at no place shall felt touch felt.

If precast concrete slab is used, strip or spot mop with Carey Asphalt to a point 4 in. from the edge of each joint.

Application of insulation—Over the surface of the No. 15 Feltex, apply a coating of Carey Asphalt having a melting point of not less than 190° F., and embed in same while hot, the roof insulation.

When incline of deck is over 2 in. per ft. and deck will not permit nailing, nailing strips must be provided and insulation anchored to each nailing strip with nails spaced approximately 8 in. apart.

Roofs for application over insulation—Specifications No. 3-A, 3-B, 4-A, 4-B, 11-A, 11-C, 12-A, 12-B, 12-C, AC-2, AS-2, BS-2, and CS-2.

Carey

ESTABLISHED 1873

Architects may specify with confidence the type of Carey Roofs described in this catalog for use on all standard types of deck construction. More than half a century of manufacturing and installation experience and the high standards and prestige of The Philip Carey Manufacturing Company stand behind each job.

ENGINEERING SERVICE

Architects are invited to write the Built-Up Roofing Department for recommendations as to the roofing or waterproofing construction especially adapted to specific types of deck construction or for special specifications to meet unusual service conditions.

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